



DOCTORAL SCHOOL – TRAINING AND DEVELOPMENT PROGRAMME 2017-18

What is the Doctoral School?

The main purpose of the Doctoral School is to enhance your experience as a postgraduate research student at Bangor, and to ensure that you fulfil your full potential. We aim to develop and support an interdisciplinary and integrated research community with research students at its heart, while promoting equality of opportunities, and a healthy work-life balance. We wish to reward good practice and effort where it exists, and work towards providing the best student experience possible.

“Our aim is to make your experience at Bangor University as valuable and rewarding as we can. We have excellent supervision and support structures, which will be tailored around your needs and aspirations.”



Professor Jo Rycroft-Malone
Pro-Vice Chancellor for Research & Impact

The following resources are currently available:

- Training and Development Programme
- Post Graduate Certificate In Higher Education(PG Cert HE)
- Research Project Opportunities
- Videos to support Doctoral Students
- Personal Development Plan(PDP)
- Information for Doctoral Supervisors
- The Postgraduate Students' Society
- Competitions
- Scholarships
- Contact a Director of Postgraduate Study(PGR)
- Researcher Profiles & Posters
- Doctoral training Partnerships(DTPs)/ Knowledge Economy Skills Scholarships (KESS2)
- Resources and Links
- News and Events

DOCTORAL SCHOOL

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DOCTORAL SCHOOL -TRAINING AND DEVELOPMENT PROGRAMME- October 2017

For enquires Email: pgr@bangor.ac.uk. To register online visit our Events page: <https://www.bangor.ac.uk/doctoral-school/workshops/programme/>

Date	Time	Name of Course	Course Details.
09/10/2017	9.30 am - 11.00 am	Literature searching (* Repeat again on 07/11/2017, February & March, June 2018)	This session will cover: <ul style="list-style-type: none"> • Searching techniques • Using electronic databases • Advanced searching • Keeping up to date with new research – current awareness • Saving and repeating search strategies
18/10/2017	10.00 am-12.00 noon	How to use Mendeley (* Repeat again on 13/11/2017, February, March & July 2018)	This session will show you how to use Mendeley to: <ul style="list-style-type: none"> • Save references from internet and database searches • Import PDFs into your account • Organise your references into folders • Create an automatic reference list at the end of an essay
18/10/2017	2.00 pm -3.30 pm	How to use RefWorks (* Repeat again on 14/11/2017, February, March & July 2018)	This session will show you how to use either RefWorks to: <ul style="list-style-type: none"> • Save references from internet and database searches • Import PDFs into your account • Organise your references into folders • Create an automatic reference list at the end of an essay
23/10/2017	10.00 am - 11.00 am	An Introduction to Open Access Publishing (* Repeat again on February 2018)	This session will cover: <ul style="list-style-type: none"> • The principles of Open Access publishing • Funder requirements for OA publishing • Options for publishing journal articles Open Access • Process of adding your publications to the University's digital Repository • Information on RCUK funding that is available for Open Access publishing

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Date	Time	Name of Course	Course Details.
30/10/2017	9.00 am. - 4.30 pm	Introduction to R (* Repeat again on April 2018)	<p>This is a one day intensive course on R. This course will be a mixture of lectures and computer practicals. The main focus will be to introduce fundamental R concepts. No prior programming knowledge of any kind is assumed. This course is suitable for a wide range of applicants. Course outline: Introduction to R: A brief overview of the background and features of the R statistical programming system. Entering Data: A description of how to import and export data from R. Data types: A summary of R's data types. R environment: A description of the R environment including the R working directory, creating/using scripts, saving data and results. R Graphics: Creating, editing and storing graphics in R. Manipulating data in R: Describing how data can be manipulated in R using logical operators.</p>
31/10/2017	9.00 am - 4.30 pm	Statistical Modelling in R (* Repeat again on April 2018)	<p>This is a one day intensive course on modelling in R. This course will be a mixture of lectures and computer practicals. Prior knowledge: it will be assumed that participants are familiar with R. For example, inputting data, basic visualisation and data frames. Attending the introduction to R courses will provide a sufficient background. This course is suitable to a wide range of applicants. Course outline: Basic hypothesis testing: examples include one-sample t-test, one-sample Wilcoxon signed-rank test, independent two-sample t-test, Mann-Whitney test, two-sample t-test for paired samples, Wilcoxon signed-rank test. ANOVA tables: 1-way and 2-way tables. Simple and multiple linear regression: including model diagnostics. Clustering: hierarchical clustering, kmeans. Principal components analysis: plotting and scaling data</p>

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Date	Time	Name of Course	Course Details.
01/11/2017	9.00 am - 4.30 pm	Programming in R (* Repeat again on April 2018)	<p>This is a one day intensive course on R. The course will be a mixture of lectures and computer practicals. The main focus of the course is R programming techniques, such as functions, for loops and conditional expressions. The course follows on from the Introduction to R course. It is assumed that all students have attended this course (or have equivalent skills). This course is suitable to a wide range of applicants. Course outline: Vector operations: details of R's vectors operations. Conditionals: using "if" and "else" statements in R. Functions: what is function is, how are they used, and how can we construct our own functions. Looping in R: an introduction to the concept of looping in R. In particular "for" and "while" loops. The apply functions: apply, tapply and other members of the apply family.</p>
02/11/2017	9.00 am - 4.30 pm	Advanced Graphics in R (* Repeat again on April 2018)	<p>This is a one day intensive course on advanced graphics with R. The standard plotting commands in R are known as the Base graphics. In this course, we cover more advanced graphics packages - in particular, ggplot2. The ggplot2 package can create very advanced and informative graphics. A basic knowledge of R is assumed for this course. In particular, attendees should be familiar with the topics covered in the Introduction to R course. This course will be a mixture of lectures and computer practicals. The goal is to enable participants to apply the techniques covered to their own data. This course is suitable to a wide range of applicants. Course outline: The grammar of graphics; Mastering the grammar; Groups, geoms, stats and layers; Scales, axes and legends; Facets</p>

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Date	Time	Name of Course	Course Details.
06/11/2017	10.00 am- 11.30 am	Copyright for your thesis (* Repeat again on April, June 2018)	Your PhD thesis will be published open access on the University's digital Repository. Make sure that you are aware of copyright issues regarding the publication of your thesis.
07/11/2017	9.30 am - 4.00 pm	How to be an Effective Researcher for PGRs (* Repeat again on March 2018)	"A doctorate is about becoming an independent researcher. This is about mastery in your discipline, but it is also about developing others skills. This 1-day course will focus on two main areas: managing the research process as a project, and essential communication skills, including managing your Supervisors. It is a very interactive course, where you'll address things practically, and share ideas with a diverse group of fellow researchers. But the aim will be for you to gain practical, tangible ideas that you can begin to put into practice immediately to be a more effective doctoral researcher."
08/11/2017	9.30 am - 4.00 pm	Making Progress in the Second Year of Your PhD (* Repeat again on March 2018)	"The second year - or middle phase - of a doctorate can be the most challenging. This one day course will aim to help you overcome this challenge, and to maintain the momentum you will need to successfully complete your doctorate on time. "Specifically, we will look at some critical success factors for the second year of PhD, as well as defining the required end products of a clear research argument, and how this will be expressed in your Thesis. We will also address the requirements of the doctoral assessment criteria. We will use all of this to help you set your own individual plan for the next phase of your doctorate."

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Date	Time	Name of Course	Course Details.
17/11/2017	1.30 pm – 4.30 pm	Viva Survivor (* Repeat again on March 2018)	<p>The viva is the culmination of the PhD process: a lot of work has lead to this point, but a feeling of anxiety can accompany the sense of achievement at completing one's thesis. For many PhD candidates the time leading up to the viva is filled with stress about the day, and uncertainty about how to prepare and what the viva will be like. Viva Survivor is a session for postgraduate researchers close to submission who want to gain insight on how to be well prepared for their viva. In this session participants will:</p> <ul style="list-style-type: none"> • identify sources of support for their viva preparation; • explore practical strategies to prepare themselves and their thesis; • discuss common viva questions.

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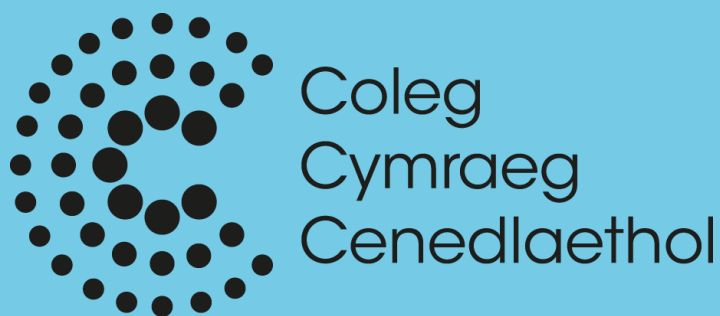
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Date	Time	Name of Course	Course Details.
04/12/2017	10.00 am- 11.30 am	Systematic Reviews: how to plan, conduct and manage the literature searches (* Repeat again on April 2018)	This session will cover planning an appropriate search strategy, database searching tips including using MeSH and other indexes, using search filters, documenting the search process, and managing references
05/12/2017	12.00 noon - 1.30 pm	An introduction to Research Data Management (* Repeat again on March 2018)	This session will cover: <ul style="list-style-type: none"> • Why research data management and planning is vital • Research Data storage options • Research Data preservation, reuse and archiving • Research Data curation: labelling and describing data sets • Funders expectations and Legal responsibilities
06/12/2017	9.30 am-11.00 am	Getting published and tracking your citations (* Repeat again on April 2018)	This session will cover <ul style="list-style-type: none"> • Publication strategy and planning • Where to publish • Impact factors and tracking your citations
13/12/2017	9:00 am-17:00 pm	Project Management: Managing the PhD (* Repeat again on March 2018)	<p>The questions to ask and the least you need to know.</p> <p>Within your research career, you are likely to have to organise, analyse and present an enormous amount of information. You will also have to manage your time, set goals and review progress - and probably working with others to encourage them to do the same. This set of skills is often placed under the heading of "Project Management" and is highly sought by a wide variety of employers.</p> <p>By the end of the session participants should be able to:</p> <ul style="list-style-type: none"> • Understand the criteria for successful project management and also consider why some projects fail • Understand, evaluate and implement various tools to help research planning and communication of that plan • Appreciate the importance of stakeholder and risk analysis <p>Regardless of whether your PhD is based in multinational team and collecting data, or you by yourself evolving an idea, this course will be a productive and valuable way to spend a day.</p>

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Date	Time	Name of Course	Course Details.
19/01/2018	10.00 am-11.00 am	Introduction to Intellectual Property <i>(* Repeat again on March 2018)</i>	An introduction to help researchers understand the basics of intellectual property and the way the University manages this
March/ TBC	March/ TBC	Introductory NVivo session	This session will provide a brief introduction to NVivo 10, a computer package assisting qualitative analysis. This computer package is a tool that supports a number of data analysis approaches. We will have a look at the main features and functions and you will be able to try out a few yourself. The aim of the session is to provide you with an overview of what NVivo could be used for and a number of resources.
16/03/2018	9.30 a.m. - 4.00 p.m	Finish-up and Move On	“There are two challenges at the end of the doctorate - getting it finished, and being clear what comes next. During this 1-day course, we will explore the key elements of both. For completing the doctorate, we will explore in depth what you need to do to complete a thesis that will pass the viva, and what the viva itself will entail. This will include looking at the writing process and thesis structures. But in order to do this, you need to overcome the potential blockage of not knowing what you will do after you finish. So, we will consider career paths, and how to access them and market yourself and your skills successfully.”
TBC	9:00 am- 4.00 pm	PhD Day – ‘The Conversation’	Having an article published about your research or expertise is a valuable tool in enhancing your PhD. The Conversation is an independent source of news and views, sourced from the academic and research community and delivered direct to the public. Its unique model enables research academics and students to write and publish opinion pieces and news-related stories based on their research, expertise or field of study. As a result of BU membership, we are able to offer you an opportunity to attend a day’s writing workshop, with the aim of having an article, authored by you, published by The Conversation.



Coleg
Cymraeg
Cenedlaethol

Coleg Cymraeg Cenedlaethol Research Skills Training Programme

The purpose of the Research Skills Training Programme is to support Welsh medium research students, and is the only research training programme for postgraduate students and early career academics exclusively through the medium of Welsh.

<http://www.colegcymraeg.ac.uk/en/research/researchskillstraining/>

11-12 October 2017 – Lampeter (two day residential course consisting of 9 individual workshops)

14-15 November 2017 – Bangor (two day residential course consisting of 8 individual workshops)

13-14 December 2017 – Cardiff (two day residential course consisting of 10 individual workshops)

24-25 January 2018 – Bangor (two day residential course consisting of 8 individual workshops)

21 June 2018 – Welsh Medium Research Conference in Gregynog
(<http://www.colegcymraeg.ac.uk/en/research/welsh-mediumresearchconference/>)

[http://www.colegcymraeg.ac.uk/en/media/main/ogfennau-ccc/s-1304/Rhaglen-Hyfforddiant-Sgiliau-Ymchwil_2107_18_Gwe.pdf](http://www.colegcymraeg.ac.uk/en/media/main/dogfennau-ccc/s-1304/Rhaglen-Hyfforddiant-Sgiliau-Ymchwil_2107_18_Gwe.pdf)

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