DOCTORAL SCHOOL –TRAINING AND DEVELOPMENT PROGRAMME 2016-17

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 Opportunities
- Research Project Opportunities
- Videos to support Doctoral Students
- 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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PRIFYSGOL
BANGOR
UNIVERSITY

DOCTORAL SCHOOL -TRAINING AND DEVELOPMENT PROGRAMME- October 2016

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.
04/10/2016	2.00 pm-3.30 pm	Literature searching – Sciences (Natural Sciences and Physical and Applied Sciences) (* Repeat again on February & June 2017)	This session will cover: • Searching techniques • Using electronic databases • Advanced searching • Keeping up to date with new research – current awareness • Saving and repeating search strategies
05/10/2016	2.00 pm-3.30 pm	Literature searching – Physical and Applied Sciences (* Repeat again on February & June 2017)	This session will cover: • Searching techniques • Using electronic databases • Advanced searching • Keeping up to date with new research – current awareness • Saving and repeating search strategies
06/10/2016	11.00 am-12.30 pm	Literature searching – Arts and Humanities (* Repeat again on February & June 2017)	This session will cover: • Searching techniques • Using electronic databases • Advanced searching • Keeping up to date with new research – current awareness Saving and repeating search strategies
10/10/2016	9.00 am-10.30 am	Literature searching – Social Science, Law, Business, Education (* Repeat again on February & June 2017)	This session will cover: • Searching techniques • Using electronic databases • Advanced searching • Keeping up to date with new research – current awareness Saving and repeating search strategies
10/10/2016	11.00 am-12.30 pm	Literature searching – Health and Medical and Behavioural Sciences (* Repeat again on February & June 2017)	This session will cover: • Searching techniques • Using electronic databases • Advanced searching • Keeping up to date with new research – current awareness Saving and repeating search strategies

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Date	Time	Name of Course	Course Details.
19/10/2016	2.00 pm-3.30 pm	Referencing Tools Basics (book this session if your English / computer skills enable you to follow a fast pace) (when booking please indicate if you are interested in learning how to use RefWorks or Mendeley or you don't mind which) Basics (* Repeat again on 07/11/2016, March & July 2017)	This session will show you how to use either RefWorks or Mendeley (your choice) to: • 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 Book this session if your English / computer skills enable you to follow a fast pace
20/10/2016	2.00 pm-4.00 pm	Referencing Tools Basics: slower pace (book this session if your English / computer skills mean a slower paced session is best) (when booking please indicate if you are interested in learning how to use RefWorks or Mendeley or you don't mind which) (* Repeat again on 08/11/2016, March & July 2017)	This session will show you how to use either RefWorks or Mendeley (your choice) to: • 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 Book this session if your English / computer skills mean a slower paced session is best
25/10/2016	2.00 pm-3.00 pm	Open Access Publishing (* Repeat again on April 2017)	• The principles of Open Access publishing • Funder requirements for OA publishing • Options for publishing journal articles Open Access • Process of adding your publications to eBangor the University's digital Repository • Information on RCUK funding that is available for Open Access publishing • Options for open access book publishing

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Date	Time	Name of Course	Course Details.
02/11/2016	1.30 pm – 4.30 pm	Viva Preparation (* Repeat again on 14/03/2017)	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: • identify sources of support for their viva preparation; • explore practical strategies to prepare themselves and their thesis; • discuss common viva questions.
03/11/2016	3.00 pm-4.30 pm	Research Data Management – Arts and Humanities (* Repeat again on March 2017)	This session will cover: • 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
03/11/2016	1.00 pm-2.30 pm	Research Data Management – Sciences and Social Sciences (* Repeat again on March 2017)	This session will cover: • 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

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08/11/2016 & 09/11/2016	2 day residential	Bangor Grad School	"So you'll have a doctorate soon..? So what!? The purpose of this residential course is to get away from the books or the lab for 2 days and to reflect on what it will mean for you to have a PhD, and what you might do with it. "We will explore you motivations and what drives you, and what this says about what you might do next, or further in the future. We'll examine the full range of skills you've already developed, including ones relating to teamwork and leadership. And, we will stretch and challenge you in how you can communicate about these things to potential employers, collaborators or funders."
14/11/2016	10.00 am-11.30 pm	Endnote Online (* Repeat again on March 2017)	This session shows you how to register with Endnote Online, create folders, save references into Endnote, Use "Cite While You Write" to insert references into essays, and create an automatic reference list at the end of an essay. Endnote supports a wide range of referencing styles. This session does not cover Endnote Desktop.
14/11/2016	9.00 am. - 4.30 pm	Introduction to R (* Repeat again on 24/04/2017)	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.

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Date	Time	Name of Course	Course Details.
15/11/2016	9.00 am - 4.30 pm	Statistical Modelling in R (* Repeat again on 25/04/2017)	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
16/11/2016	9.00 am - 4.30 pm	Programming in R (* Repeat again on 26/04/2017)	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.

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Date	Time	Name of Course	Course Details.
17/11/2016	9.00 am - 4.30 pm	Advanced Graphics in R (* Repeat again on 27/04/2017)	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
24/11/2016	9.30 am - 4.00 pm	How to be an Effective Researcher for PGRs (* Repeat again on 22/03/2017)	"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."
25/11/2016	9.30 am - 4.00 pm	Making Progress in the Second Year of Your PhD (* Repeat again on 23/03/2017)	"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 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.
01/12/2016	2.00 pm-3.30 pm	An Introduction to Searching for Systematic Reviews (* Repeat again on March 2017)	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, managing references using RefWorks
06/12/2016	10.00 am-11.30 am	Copyright for your thesis (* Repeat again on March, August 2017)	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.
08/12/2016	3.00 pm-4.30 pm	Getting published and tracking your citations (* Repeat again on April 2017)	This session will cover • Publication strategy and planning • Where to publish • Impact factors and tracking your citations • Book commissioning and journal editors • The cycle of publishing • Editorial processes
09/12/2016	9:00 am-17:00 pm	Project Management: Managing the PhD (* Repeat again on 28/03/2017)	The questions to ask and the least you need to know. 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. By the end of the session participants should be able to: • 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 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.

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Date	Time	Name of Course	Course Details.
12/01/2017	10.00 am-11.00 am	Introduction to Intellectual Property (* Repeat again on 10/03/2017)	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.
24/03/2017	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."

CONTACTS

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