



Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa

Early Researcher Development Programme

2011-2012



Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Croeso

Croeso i Brifysgol Bangor. Gobeithio y gwnewch chi fwynhau eich cyfnod ymchwil ac astudio tra byddwch chi yma. Bu'r Rhaglen Datblygu Ymchwilwyr Cam Cynnar yn rhedeg ym Mangor ers sawl blwyddyn bellach. Nod y rhaglen, yn y lle cyntaf, yw cefnogi eich datblygiad a'ch gwybodaeth fel ymchwilydd. Yn ail, mae'r RhDYCC yn anelu at ehangu eich sylfaen sgiliau, gan agor y drws i chi at offerynnau a sgiliau sy'n gallu ei gwneud hi'n haws i chi ganfod swydd gyflogedig, boed hynny yn y byd academiaidd neu ym myd busnes.

Mae'r cyfleoedd ar gyfer hyfforddi yn datblygu bob blwyddyn, ac rwyf yn edrych ymlaen at 2011-2012, pan fyddwn yn gweithio'n glos gyda sawl Prifysgol arall i gynnig cyfleoedd ar gyfer hyfforddi ochr yn ochr/gweithio gydag ymchwilwyr o sefydliadau cyfagos.

Bydd yna nifer o gyfleoedd ar gael i chi ym Mangor, a bydd yn allweddol i chi flaenoriaethu'r sgiliau a'r wybodaeth y bydd gofyn i chi eu cael er mwyn cefnogi eich amser chi yma.

Datblygyd y Rhaglen Datblygu Ymchwilwyr Cyfnod Cynnar (RhDYCC) gan yr UDA, a hwythau sy'n ei darparu ar ffurf gweithdai a chysiau ar gyfer rheoli a datblygu gyrfa, gan gynnwys hyfforddiant sgiliau personol. Bydd y gweithdai a'r

cyrsiau'n sicrhau bod staff a myfyrwyr ymchwil yn datblygu sgiliau ymchwil, sgiliau galwedigaethol a sgiliau entrepreneuriaeth sy'n cyfateb i alwadau eu llwybr gyrfa i'r dyfodol.

Ar gyfer 2011-2012, mireiniwyd y ffocws i fod yn agwedd ddeublyg fwy penodol -

Cyflogadwyedd a Sgiliau Ymchwil. Bydd gweithdai cyflogadwyedd yn amrywio o Wneud Penderfyniadau Effeithiol, Cynllunio Prosiectau i weithdai CV ac ymarfer cyfweiliadau. Bydd dealltwriaeth a gwybodaeth o entrepreneuriaeth a masnacheiddio ymchwil yn cael eu datblygu ymhellach hefyd. Bydd meistrolï a chynnal Sgiliau Ymchwil yn sicr yn gloywi datblygiad y Sefydliad, ond bydd hefyd yn rhedeg ochr yn ochr â gwreiddio Diwylliant Ymchwil yng Nghymru ac yn y Deyrnas Unedig.

Cofion

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Welcome

Welcome to Bangor University and I hope you enjoy your research time and studies whilst you are here. The Early Researcher Development Programme has been running at Bangor for several years. The aim of the programme is firstly to support your development and knowledge as a researcher. Secondly, the ERDP aims to broaden your skills base, allowing you to access tools and skills which can improve your employability, whether in academia or industry.

The opportunities for training are developing each year and I am looking forward to 2011-2012 where we are working closely with many other Universities to provide opportunities for training alongside and working with researchers from our neighbouring Institutes.

There will be many opportunities available to you at Bangor and it is key that you prioritise what skills and knowledge you need to gain to support your time here.

Developed and provided by the ADU, The Early Researcher Development Programme (EDRP) provides workshops and courses for career management and development, including personal skills training. The workshops and courses will

ensure that research staff and students develop research, vocational and entrepreneurial skills that

are matched to the demands of their future career paths.

For 2011-2012 the focus has been tightened to become a more distinctive two fold approach - Employability and Research Skills.

Employability workshops will range from Effective Decision making, Project Planning through to CV workshops and interview practice. The understanding and knowledge of entrepreneurship & commercialisation of research will also be further developed. Research Skills acquisition and maintenance will further not only the Institutions development, but run in line with the embedding of a Research Culture in Wales & the UK.

Regards

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Academic Development Unit website

<http://www.bangor.ac.uk/adu>



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Datblygu Sgiliau ym Mhrifysgol Bangor

Ymateb Prifysgol Bangor i ofynion hyfforddi'r Cynghorau Ymchwil yw'r Rhaglen Datblygu Ymchwilwyr Cyfnod Cynnar (RhDYCC). Mae'r rhaglen hyfforddi, a ymddangosodd yn wreiddiol ar ffurf y datganiad Sgiliau ar y Cyd yn 2001, ac yn awr ar ffurf y Datganiad Datblygu Ymchwilwyr (DDY) yn 2010, yn pwysleisio pwysigrwydd datblygu sgiliau personol a phroffesiynol trosglwyddadwy ochr yn ochr â'r sgiliau a thechnegau ymchwil angenrheidiol ar gyfer eich astudiaeth ac ymchwil ôl-radd. Fel fframwaith gweithredol y DDY, mae'r Fframwaith Datblygu Ymchwilwyr (FfDY) yn cynrychioli agwedd DU o bwys tuag at adeiladu ar ddatblygu ymchwilwyr, datblygu ymchwilwyr o safon fyd-eang ac adeiladu ein sylfaen ymchwil.

Mae'r RhDYCC yn cael ei chydlyn gan yr Uned Datblygu Academiaidd (UDA) yn yr Ysgol Addysg a Dysgu Gydol Oes, ac mae'n cael ei darparu fel partneriaeth rhwng yr UDA a'r Ysgolion a'r Colegau academiaidd. Mae pob cyfle hyfforddiant yn cael ei gynnig yn rhad ac am ddim i bob ymchwilydd gyrfa cam cynnar ym Mangor, pa ffynhonnell gyllid bynnag sydd ganddynt. Fodd bynnag, gydag unrhyw fodiwl y rhoddir credyd amdano, codir tal ar eich Ysgol. Rhaid cael cytundeb eich goruchwyliwr cyn cofrestru ar gyfer cyrsiau modiwlaid.

(Gweler y dudalen Cwestiynau Cyffredin 6)

Yr ydym yn sylweddoli bod amrywiaeth sylweddol yn y dulliau ac agweddau ymchwilio yn y gwahanol ddisgyblaethau, yn ogystal ag ym mhrofiad blaenorol myfyrwyr ymchwil a'u dulliau mynychu (llawn amser, rhan amser, a dysgu o bell). Dyna pam ein bod yn cynnig rhaglen hyblyg y gallwch chi ei theilwra ar gyfer eich anghenion personol chi eich hun yn ogystal ag ar gyfer eich prosiect ymchwil.

Cynllunio Datblygiad eich Sgiliau

Dylai'r broses o ddatblygu eich sgiliau gael ei chynllunio, ei threfnu a'i chydlyn yn union fel y byddech yn rheoli eich prosiect ymchwil. Mae gofyn i chi gyfrannu'n weithredol at gylch o hunan-arfarnu, pennu targedau, cynllunio gweithredoedd ac adolygu.

Ym Mangor, yr ydym wedi darparu offeryn a fydd yn galluogi i chi ddynodi eich anghenion hyfforddi. Yn ddelfrydol, dylid ei adolygu bob chwe mis, er mwyn i chi allu mesur eich datblygiad, a dynodi bylchau yn eich hyfforddiant. Mae'r Dadansoddiad Anghenion Hyfforddi yn seiliedig ar bedwar parth y Fframwaith Datblygu Ymchwilwyr: Parthau A-D. Mae'r ddogfen Dadansoddiad Anghenion Hyfforddi yn cynnwys un tabl ar gyfer pob un o barthau'r FfDY (gweler tudalen 44).

Mae pob parth yn dynodi gwybodaeth, ymddygiadau ac agweddau i'ch annog i

ymgyrraedd at ragoriaeth drwy gyflawni lefelau uwch o ddatblygiad.

Mae'r ddogfen DAH yn caniatáu i chi gynnwys tystiolaeth am eich datblygiad a'ch sgiliau, a gall fod yn hynod werthfawr ar gyfer strwythuro cyfarfodydd myfyriwr/goruchwyliwr, creu eich CV neu i'w ddefnyddio mewn cyfweiliadau.



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Skills Development at Bangor University

The Early Researcher Development Programme (ERDP) is Bangor University's response to the training requirements of the Research Councils. Originating as the Joint Skills statement in 2001, and now the Researcher Development Statement in 2010, the training programme emphasises the importance of developing personal and professional transferable skills alongside the research skills and techniques necessary for your postgraduate study and research. The operational framework of the RDS, the Researcher Development Framework (RDF) represents a major UK approach to build on researcher development, develop world class researchers and build our research base.

The ERDP is co-ordinated by the Academic Development Unit (ADU) in the School of Education and Lifelong Learning and is delivered as a partnership between the ADU and academic Schools and Colleges. All training opportunities are offered free of charge to all early career researchers at Bangor, regardless of their source of funding. However for credit bearing modules, there is a charge to your School. Registration for modular courses requires your supervisor's agreement. (See FAQ page 9)

We appreciate that there is significant diversity in the research methods and approaches in different disciplines, and also in the prior experience of

research students and their modes of attendance (full-time, part-time, and distance-learning). Therefore, we offer a flexible programme that you can tailor to your individual needs and to the needs of your research project.

Planning your Skills Development

Your skills development should be planned, organised and coordinated in the same way that you would manage your research project. You need to be actively involved in a cycle of self-evaluation, target setting, action planning and reviewing.

At Bangor we have provided you with a tool to enable you to identify your training needs. It should be reviewed, ideally every six months, enabling you to measure your development and identify gaps in your training. The Training Needs Analysis is based upon the four domains of the Researcher Development Framework: Domains A-D. The TNA document contains one table for each of the domains of the RDF. (See page 44) Each domain identifies knowledge, behaviours and attitudes to encourage you to aspire to excellence through achieving higher levels of development. The TNA document allows you to evidence your development and skills and can be invaluable for structuring student/ supervisor meetings, building your CV or for use in interviews.



Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Y rhaglen hon – Cwestiynau Cyffredin (CC)

1/ Sut ydw i'n gwybod pa hyfforddiant i'w fynychu?

Bydd yr UDA yn rhoi dogfen Dadansoddiad Anghenion Hyfforddi i chi a fydd yn gyfrwng i chi ddynodi eich datblygiad sgiliau, penderfynu sut y byddwch yn mynd i'r afael â nhw a chreu cofnod wedi'i seilio ar dystiolaeth i ddangos y sgiliau a'r cymwyseddau y byddwch wedi'u hennill i ddarparu gyflogwyr. Awgrymir eich bod yn trafod eich anghenion datblygu gydag eich goruchwyliwr a/neu bwyllgor goruchwyllo a, gyda'ch gilydd, dewis cyfleoedd a fydd yn diwallu eich anghenion ac a fydd yn addas ar gyfer eich cyfnod ymchwil chi.

2/ Sut mae'r rhaglen yn cael ei strwythuro?

Yn y llyfryn hwn, fe welwch chi dri math o gyfleoedd hyfforddi:

- Cyffredinol i bob maes pwnc (wedi'u cydlynu gan yr UDA a'u darparu gan amrywiol ddarparwyr hyfforddiant)
- Cyffredinol o fewn meysydd pwnc eang (wedi'u cydlynu a'u darparu o fewn Colegau)

- Penodol i bwnc arbennig (wedi'u cydlynu a'u darparu o fewn Ysgolion/Grwpiau Ymchwil). Noder bod 'darparu', yng nghyd-destun Ysgol, yn cynnwys rôl hollbwysig eich goruchwyliwr mewn hyfforddiant ymchwil.

Mae hyfforddiant yn cael ei ddarparu mewn amrywiol fformatau, gan gynnwys modiwlau achrededig wedi'u cyflwyno mewn sesiynau 1-2 awr dros gyfnod o wythnosau, gweithdai hanner diwrnod a diwrnod cyfan a digwyddiadau amser cinio anffurfiol. Trefnir y digwyddiadau dan y penawdau a ddefnyddir yn y Fframwaith Datblygu Ymchwil, er mwyn ei gwneud hi'n hawdd i chi ddod o hyd i hyfforddiant sy'n berthnasol i'r anghenion a nodwyd yn eich DAH. Gyda phob digwyddiad, nodir lefel mynediad dechrau, canol neu ddiwedd er mwyn dangos i chi ar ba gam o'ch ymchwil, yn ein tyb ni, y byddai fwyaf buddiol i chi. Bydd rhai digwyddiadau yn arbennig o ddefnyddiol i chi yn nyddiau cynnar eich Doethuriaeth, tra bydd eraill wedi'u hanelu at y rheiny sydd bron â'i chwblhau, ac sy'n ystyried y cam nesaf i'w gymryd.

3/ Sut ydw i'n gwybod pryd mae cyrsiau modiwlaid yn cael eu cynnal?

Mod cyrsiau modiwlaid yn cael eu cynnal gydol tymor un a/neu dau. Bydd y manylion hyn gyda manyleb y cwrs (tudalen 24 ymlaen). Bydd y rhan fwyaf o gyrsiau modiwlaid yn cael eu cynnal o ail wythnos y tymor ymlaen, gan bara am 10 wythnos.

Cadarnheir yr union fanylion pan fyddwch yn cofrestru.

4/ Sut ydw i'n gwybod pryd mae gweithdai yn cael eu cynnal?

Cyhoeddir y Rhaglen Datblygu Ymchwilwyr Cam Cynnar dair gwaith y flwyddyn: Hydref, Gwanwyn a Haf. Mae'r rhaglen yn rhestru'r holl weithdai a chyrsiau i ddod, gan nodi dyddiadau, amseroedd a lleoliad. Mae hefyd yn rhoi ciplun o'r cwrs. Bydd gofyn i chi fynd i wefan RhDYCC:

<http://www.bangor.ac.uk/adu/> i weld holl fanylion y cwrs/gweithdy. Yno hefyd ceir adborth gan eich cyd-fyfrwyr a fynychodd yn y gorffennol. Ceir diweddariadau a gweithdai ychwanegol drwy restr e-bost

post_graduate_research_students@bangor.ac.uk.

(Gweler cwestiwn 11)

5/ A yw mynychu yn orfodol?

Mae'r Brifysgol yn annog myfyrwyr ymchwil yn gryf, ond nid yn eu gorfodi, i fynychu hyfforddiant perthnasol er mwyn gwella eu siawns o ganfod swydd gyflogedig i'r dyfodol. Fodd bynnag, mae rhai Ysgolion yn dynodi bod rhai elfennau penodol o'r RhDYCC yn orfodol, ond maent yn gweithredu system lle gallwch ofyn am gael hepgor hyfforddiant gorfodol ar sail profiad blaenorol. Hefyd, mae rhai rhaglenni doethuriaeth yn mynnu bod myfyrwyr yn cronni nifer ofynnol o gredydau ffurfiol am hyfforddiant sgiliau.

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Os oes gennych chi unrhyw gwestiynau am ofynion eich rhaglen, dylech holi eich goruchwyliwr a/neu Gyfarwyddwr Astudiaethau Graddedig eich Ysgol.

6/ Sut ydw i'ch archebu lle ar fodiwl?

Os ydych chi am gofrestru ar gyfer modiwl achrededig â'r cod ZXX —, llenwch y ffurflen gofrestru yn y llyfryn hwn. Rhaid iddi gael ei llofnodi gan eich goruchwyliwr neu gyfarwyddwr yn eich Ysgol cyn ei dychwelyd i'r Uned Datblygu Academaidd.

Ar gyfer pob modiwl arall, dylech gysylltu'n uniongyrchol â'r darparwr. Bydd eu manylion cyswllt yn y wybodaeth am fodiwl y cwrs. Bydd yr adran honno yn eich cofrestru.

Disgwylir i chi fynychu pob sesiwn a chwblhau unrhyw aseiniadau cysylltiedig.

Os ydych chi'n dymuno mynychu cwrs modiwlaidd ond heb fod angen y credydau, rhaid i chi ddweud hynny wrth ddarparwr y cwrs pan fyddwch yn cofrestru. Bydd tâl yn cael ei godi ar eich ysgol yr un peth, boed chi eisiau/angen y credydau neu beidio. Mae'r ffurflen gofrestru ar gyfer modiwlau hefyd ar gael ar-lein yn:

<http://www.bangor.ac.uk/adu/gradprog/opps.php.en?catid=&subid=4401>

7/ Sut ydw i'ch archebu lle ar weithdy?

Ar gyfer gweithdai a gydlynir gan yr UDA, mae gofyn i chi archebu eich lle ymlaen llaw drwy lenwi ffurflen archebu RhDYCC sydd ar gael yn:

<http://www.bangor.ac.uk/adu/gradprog/opps.php.en>

?catid=&subid=4401 a'i dychwelyd at Michele Underwood ar m.underwood@bangor.ac.uk. Anfonir neges e-bost atoch yn cadarnhau bod lle wedi'i gadw atoch, o fewn dau ddiwrnod gwaith, fel arfer. Os yw'r gweithdy eisoes yn llawn, fe'ch rhoddir ar restr aros, ac fe'ch hysbysir pe bai lle yn dod ar gael. Ail-gynhelir y gweithdai yn ddiweddarach yn y flwyddyn, os bydd angen.

Ar gyfer hyfforddiant a ddarperir gan Ysgolion a Cholegau yn ychwanegol i'r rheiny a nodir yn y llyfryn hwn, rhoddir y wybodaeth berthnasol i chi gan eich goruchwyliwr neu'r Cyfarwyddwr Astudiaethau Graddedig. Dylech allu mynychu cyrsiau hyfforddi a gynigir gan Ysgolion/adranau eraill ym Mangor. Mynnwch air â'ch goruchwyliwr ynglŷn â hyn.

8/ Sut ydw i'ch archebu lle mewn digwyddiadau hyfforddi Cydweithio?

Mae Prifysgolion yng Ngogledd Orllewin a De Orllewin Prydain, a Chymru, yn cydweithio er mwyn gallu cynnig gweithdai a chysiau pellach i chi. Byddant yn cael eu hysbysebu fel pob un arall drwy raglen RhDYCC, ond bydd rhaid i chi archebu eich lle naill ai drwy Vitae neu drwy'r Sefydliad cartref. Bydd y manylion hyn yn amlwg gyda'r hysbyseb. (Gweler hefyd gwestiwn 11)

9/ Beth os bydd angen hyfforddiant arna' i mewn rhyw faes nad yw'n cael ei gynnig?

Yr ydym bob amser yn ystyried sut i wella'r hyfforddiant a ddarperir gennym, felly os oes gennych chi awgrym ynglŷn â phwnc nad ydym yn ei gynnig ar hyn o bryd, yna da chi, cysylltwch â ni. Os ceir digon o alw gan fyfyrwyr eraill, fe wnawn ein gorau i'w gynnwys yn rhaglenni'r dyfodol.

10/ Sut ydw i'n cael mwy o gyngor? Y lle cyntaf i chi droi ato am gyngor penodol ynglŷn â'ch anghenion hyfforddi personol yw at eich goruchwyliwr, eich pwyllgor goruchwylio neu'r Cyfarwyddwr Astudiaethau Graddedig yn eich Ysgol. Os hoffech chi gael gwybodaeth am y RhDYCC, cysylltwch â Michele Underwood, Cydlynnydd Datblygu Sgiliau UDA (m.underwood@bangor.ac.uk).

Adran Gyrfaoedd:

<http://www.bangor.ac.uk/careers/services/sos.php.en?catid=&subid=6188>

Cefnogi Myfyrwyr:

<http://www.bangor.ac.uk/bangortv/studentsupport.php.en>

Fforwm Myfyrwyr Ymchwil <http://rsf.bangor.ac.uk/>
Undeb y Myfyrwyr: <http://www.undeb.bangor.ac.uk/>

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11/ [Postgraduate research students](#) rhestr e-bost.

Os hoffech chi dderbyn diweddariadau rheolaidd ynglŷn â chyfleoedd hyfforddi ychwanegol, gwybodaeth am gyllid, cyfleoedd rhwydweithio ac, ar brydiau, y tywydd, yna tanysgrifiwch i'r rhestr e-bost Post_graduate_research_students@bangor.ac.uk drwy roi *listserv* yn y peiriant chwilio ar fewnrwyd Prifysgol Bangor.

12/ safle Gweplyfr Doethuriaeth Bangor:

bangorphd@groups.facebook.com

13/ Cwrteisi Proffesiynol

Tanysgrifir yn helaeth i'r rhan fwyaf o gyrsiau a gweithdai, ac fe gyfyngir a nifer y cyfranogwyr er mwyn sicrhau eich bod yn derbyn yr hyfforddiant mwyaf effeithiol. Os ydych chi'n archebu lle i chi eich hun, ac yn peidio â mynychu, fe allech chi fod wedi amddifadu myfyriwr arall o'r cyfle i fod yno. Os oes gofyn i chi ganslo, gofynnir i chi roi o leiaf dau ddiwrnod o rybudd. Os nad ydych chi'n bresennol, a chithau heb roi rhybudd digonol, cofnodir eich bod yn 'absennol'. Fe allen ni hysbysu eich goruchwyliwr os ydych chi'n 'absennol' yn aml.

14/ Oes yna lyfryn Cymraeg ar gael, ar wahân?

Yr ydym wedi dewis cynhyrchu un llyfryn dwyieithog gyda phob gwybodaeth gyffredinol ar gael yn Gymraeg ac yn Saesneg. Yn unol â pholisi'r Brifysgol, disgrifir gweithdai yn yr iaith y'u cynhelir ynddi.

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

About this programme- Frequently asked questions (FAQ)

1/ How do I know which training to attend?

The ADU will provide you with a Training Needs Analysis document that will help you to identify your skills development, work out how you will address them and construct an evidence-based record to demonstrate the acquired skills and competencies to potential employers. It is suggested that you discuss your development needs with your supervisor and/or supervisory committee and, together, select opportunities that will meet your needs and are suitable for your stage of research.

2/ How is the programme structured?

In this booklet you will find three types of training opportunities:

- Generic across subject areas (co-ordinated by the ADU and delivered by a variety of training providers)
- Generic within broad subject areas (co-ordinated and delivered within Colleges)
- Specific to a subject (co-ordinated and delivered within Schools/Research Groups). Note that 'delivery' in the School context includes the crucial role in research training of your supervisor.

Training is delivered in a variety of formats, including accredited modules delivered in 1-2 hour sessions over a period of weeks; half-day and full-day workshops and informal lunchtime events. The events are organised under the headings used in the Research Development Framework to make it easy for you to find training relevant to the needs identified in your TNA. Each event entry is identified as early, mid or late to indicate at which stage of your research we feel it would be most beneficial for you to attend. Some events will be particularly useful to you in the early stages of your PhD, whilst others are aimed at those nearing completion and thinking about what to do next.

3/ How do I find out when modular courses are running

Modular courses run throughout semester one and/or two. This detail will be with the course specification (page 24 onwards). Most modular courses run from week two in the semester and last 10 weeks. You will have the exact details confirmed for you when you register.

4/ How do I find out when workshops are running?

The Early Researcher Development Programme is published three times a year: Autumn, Spring and Summer. The programme lists all the upcoming workshops and courses, giving dates, times and venue. It also provides a snap shot of the course. You will need to go to the ERDP website: <http://www.bangor.ac.uk/adu/> for full details of the

course/workshop and feedback from your colleagues who have attended previously. Updates and additional workshops are provided via the post_graduate_research_students@bangor.ac.uk email list. (See question 11)

5/ Is attendance compulsory?

The University strongly encourages, but does not compel, research students to attend relevant training in order to enhance their future employability. However, some Schools do identify certain elements of the EDRP as compulsory but operate a system whereby you can request exemption from compulsory training on the basis of prior experience. Also, some doctoral programmes require students to accumulate a requisite number of formal credits of skills training. If you have any questions about the requirements of your programme, you should ask your supervisor and/or your School Director of Graduate Studies.

6/ How do I book a place on a module?

To register for an accredited module coded ZXX ----, complete the registration form in this booklet, it must be signed by your supervisor or School director and return it to the Academic Development Unit. For all other modules please contact the provider directly. Their contact details will be with the course module breakdown. You will be registered by that department. You are expected to attend all sessions and complete any associated assignments.

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

If you wish to attend a modular course but do not require the credits you must inform the provider of the course when you register. Your school will still be charged for the course whether you want/need the credits.

The registration form for modules is also available online at:

<http://www.bangor.ac.uk/adu/gradprog/opps.php.en?catid=&subid=4401>

7/ How do I book on a workshop?

For workshops co-ordinated by the ADU you need to book in advance by completing an ERDP booking form available at:

<http://www.bangor.ac.uk/adu/gradprog/opps.php.en?catid=&subid=4401> and returning it to Michele Underwood on m.underwood@bangor.ac.uk.

You will be sent confirmation of your place by e-mail, usually within two working days. If the workshop is fully booked, you will be put on a waiting list and notified if a place becomes available. Repeat workshops will be organised later in the year if required.

For training delivered by Schools and Colleges in addition to those detailed in this booklet, you will be given information by your supervisor or the Director of Graduate Studies. You should be able to attend training courses offered by other Schools/departments within Bangor. Please speak to your supervisor first about this.

8/ How do I book on Collaboration training events?

Universities in the NW of Britain and the SW and Wales are collaborating to be able to offer you further workshops and courses. They will be advertised in the same way as all others through the ERDP programme but you will either have to book via Vitae or the host Institution. These details will be evident with the advert. (See also question 11)

9/ What if I need training in something that is not offered?

We are always considering ways in which we can improve our training provision, so if you have an idea for a topic that we do not currently offer, please get in touch. If there is enough demand from other students we will try to include it in future programmes.

10/ How can I get further advice? Your first port of call to get specific advice about your individual training needs should be your supervisor, supervisory committee or the Director of Graduate Studies in your School. For information about the EDRP, contact Michele Underwood, ADU Skills Development Co-ordinator (m.underwood@bangor.ac.uk).

Careers Department :

<http://www.bangor.ac.uk/careers/services/sos.php.en?catid=&subid=6188>

Student Support:

<http://www.bangor.ac.uk/bangortv/studentsupport.php.en>

Postgraduate Student Forum <http://rsf.bangor.ac.uk/>

Student Union: <http://www.undeb.bangor.ac.uk/>

11/ Postgraduate research students email list.

For regular updates regarding additional training opportunities, funding information, networking opportunities and occasionally the weather, then subscribe to the Post_graduate_research_students@bangor.ac.uk email list by entering listserv in the search engine on Bangor University's intranet.

12/ Bangor PhD Facebook site:

[bangorphd@groups.facebook.com](https://www.facebook.com/bangorphd@groups.facebook.com)

13/ Professional Etiquette

Most courses and workshops are heavily subscribed and numbers of participants are limited to ensure that you receive the most effective training. If you book a place and do not attend you may have taken the opportunity for another student to attend. If you need to cancel please give at least two days notice. If you do not attend without giving due notice you will be recorded as a 'no show'. We may notify your supervisor if you persistently 'no show'.

14/ Is there a separate Welsh medium brochure available?

We have moved to a single bilingual brochure with all generic information available in both Cymraeg and English. In accordance with University policy, workshop descriptions are provided in the language in which the workshop is delivered.

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Meysydd gwybodaeth pellach /Further areas of information

The Researcher Development Framework:

RDF homepage (www.vitae.ac.uk/rdf)
RDF FAQs (www.vitae.ac.uk/policy-practice/234511/FAQs.html)
Researcher Development Statement (www.vitae.ac.uk/rds)

PDP and CPD:

Personal development planning (www.palgrave.com/skills4study/pdp)

Getting started with personal development planning (www.recordingachievement.org/higher-education/articles/item/higher-education-articles/getting-started-with-personal-development-planning-.html)

What is CPD?

(www.cipd.co.uk/cpd/aboutcpd/whatiscpd.htm)

Continuing professional development

(en.wikipedia.org/wiki/Continuing_professional_development)

Careers:

Careers articles and advice including: working in higher education, career opportunities outside higher education and research vs. non-research careers (www.vitae.ac.uk/careers)

What do researchers do? (www.vitae.ac.uk/wdrd)

Career stories portal

(www.vitae.ac.uk/careerstories)

Learning and planning:

BBC learning styles questionnaire (www.bbc.co.uk/keyskills/extra/module1/1.shtml)

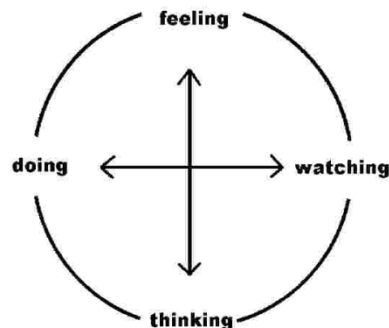
Keeping a learning log (www.bbc.co.uk/keyskills/extra/module5/1.shtml)

Kolb's learning styles (www.businessballs.com/kolblearningstyles.htm)

SMART(ER) objectives (en.wikipedia.org/wiki/SMART_criteria)

SWOT analysis (www.quintcareers.com/SWOT_Analysis.html)

Your personal action plan (www.open.ac.uk/recession/action-plan.shtml)



Blogs and community for researchers:

Vitae Research Staff blog (www.vitae.ac.uk/rsblog)

Vitae public engagement blog (www.vitae.ac.uk/publicengagement)

Just Higher-ed! (www.jobs.ac.uk/blogs/just-higher-ed)

Manchester Postgraduate Careers Blog (manchesterpgcareers.wordpress.com)

RIN Team Blog (www.rin.ac.uk/team-blog)

Mortarboard Blog (www.guardian.co.uk/education/mortarboard)

PhD Blog (www.prospects.ac.uk/p/articles/phd_blog_30.jsp)

Careers blog for PhD researchers (www.careers.salford.ac.uk/students/phd/blog)

HECSU Blog (hecsu.blogspot.com)

UKRC Get SET Women blog (www.theukrc.org/blogs/getset-women)

Real Life of a PhD Student (www.jobs.ac.uk/blogs/real-life)

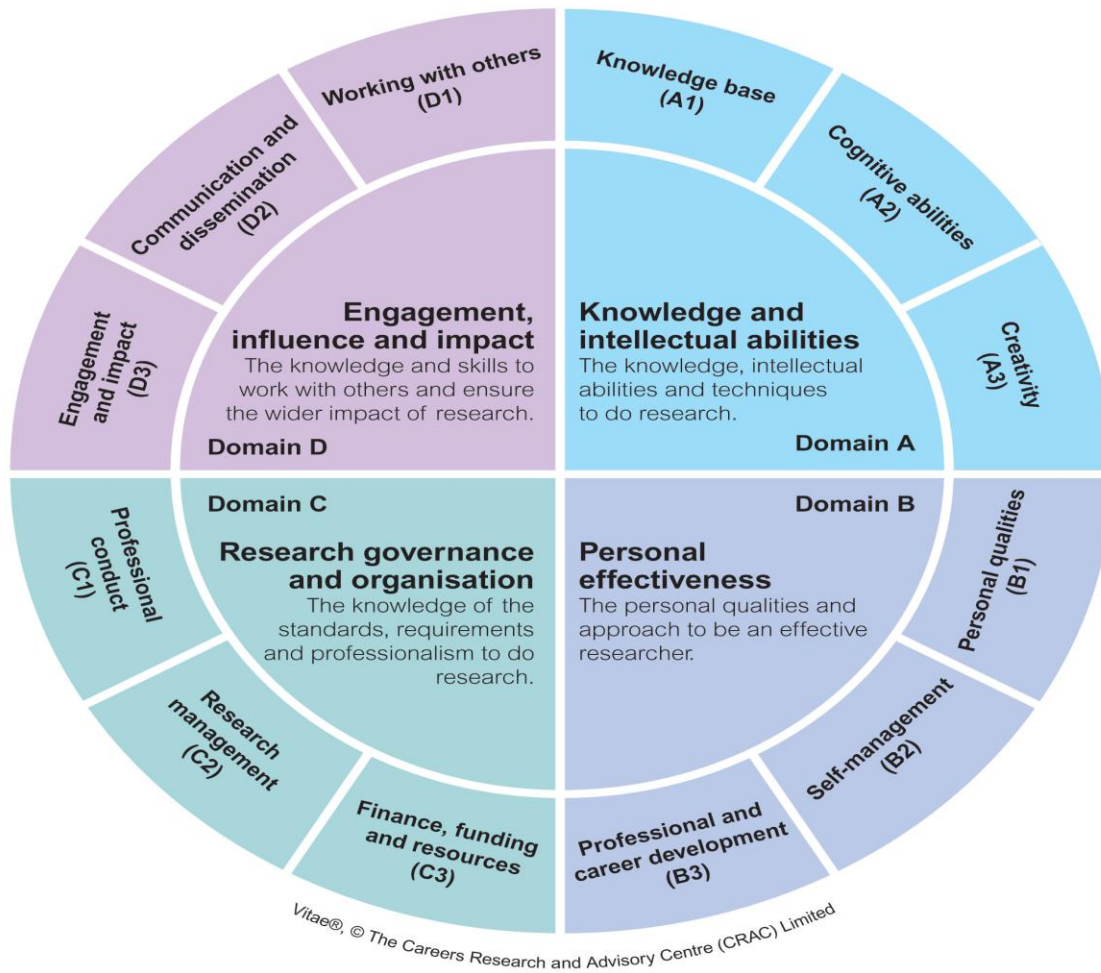
Science Careers Blog (<http://blogs.sciencemag.org/sciencecareers>)

Linked In (www.linkedin.com)

Academia.edu (www.academia.edu)

ResearchGATE (<https://www.researchgate.net>)
Communities of Science (www.cos.com)

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme



Y Fframwaith Datblygu Ymchwilwyr

The Researcher Development Framework

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Y Fframwaith Datblygu Ymchwilwyr, a sut mae'n effeithio arnoch chi:

Mae'r FfDY yn offeryn ar gyfer cynllunio, hyrwyddo a chefnogi datblygiad personol, datblygiad proffesiynol a datblygiad gyrfa ymchwilwyr. Mae'n amlinellu ac yn dynodi gwybodaeth, ymddygiadau ac agweddau ymchwilwyr, ac mae'n eich annog i ymgyrraedd at ragoriaeth drwy gyflawni lefelau uwch o ddatblygiad.

Yn ogystal â datblygu'r sgiliau penodol ar gyfer eich ymchwil/astudiaeth, fe'ch anogir i gyfrannu at ddatblygiad proffesiynol a sgiliau personol yn ystod y cyfnod hwn.

Ceir amrywiaeth helaeth ym maes ymchwil/astudiaeth ôl-radd a disgwylir y byddwch yn defnyddio gwahanol fecanweithiau i gefnogi eich addysg fel y bo'n briodol i'ch ymchwil/astudiaeth. Mae gwahanol fecanweithiau'n cynnwys gweithdai, cynadleddau, cyrsiau hyfforddi ffurfiol ac anffurfiol, hyfforddiant a digwyddiadau ysgol, cefnogaeth goruchwylwr a mentora. Ceir cyfleoedd hefyd gyda chynhadledd flynyddol y Fforwm Myfyrwyr Ymchwil a chyfres seminarau drwy'r Sefydliad. Ceir trefniadau cydweithio newydd ac esblygol gyda Sefydliadau eraill yng Ngogledd Orllewin a De Orllewin Prydain a Chymru ar gyfer darparu gweithdai a chysiau a fydd yn gyfle i chi rwydweithio a datblygu eich rhwydweithiau ymchwil.

The Researcher Development Framework and how it affects you:

The RDF is a tool for planning, promoting and supporting the personal, professional and career development of researchers. It outlines and details the knowledge, behaviours and attitudes of researchers and encourages you to aspire to excellence through achieving higher levels of development.

In addition to developing the skills specific to your research/study you are encouraged to take part in personal skills and professional development during this time.

There is significant diversity in postgraduate research/study and it is expected that you will use different mechanisms to support your learning as appropriate to your research/study. Different mechanisms include workshops, conferences, formal and non-formal training courses, school training and events, supervisor support and mentoring. There are also opportunities with the Postgraduate Students' Forum annual conference and Institution wide seminar series. There are also new and developing collaborations with other Institutions in both the NW and SW and Wales for the delivery of workshops and courses giving you an opportunity to network and build your research networks.

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Domain A: Knowledge and Intellectual abilities

A1 - Knowledge base

Subject knowledge

Research methods - theoretical knowledge

Research methods - practical application

Information seeking

Information literacy and management

Languages

Academic literacy and numeracy

Knowledge of:

The area of research, the advances within it and its relationships with other research areas

The methods and experimental techniques appropriate for research design

Sources of information, bibliographic software and other information technologies

Literacy and numeracy skills and language abilities appropriate for research

Behaviour:

Makes original contributions to knowledge

Identifies, applies and develops methods and experimental techniques appropriate for research projects

Conducts effective and comprehensive information searches

Records, manages and handles information/data using appropriate bibliographic software and other information technologies

A2 - Cognitive abilities

Analysing

Synthesising

Critical thinking

Evaluating

Problem solving

Behaviour:

Analyses and evaluates findings using appropriate methods

Thinks originally, independently and critically; develops theoretical concepts

Critically synthesises information from diverse sources

Evaluates progress, impact and outcomes of research

Recognises and validates problems; formulates and applies solutions to a range of research problems

Attitude:

Willing to give and receive constructive criticism

A3 - Creativity

Inquiring mind

Intellectual insight

Innovation

Argument construction

Intellectual risk

Behaviour:

Develops new ways of working; has novel ideas and realises their potential

Identifies new trends; creates new opportunities

Develops convincing and persuasive arguments to defend research

Takes intellectual risks; challenges the status quo

Attitude:

Takes a creative, imaginative and inquiring approach to research

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Domain B: Personal Effectiveness

B1 - Personal qualities

Enthusiasm
Perseverance
Integrity
Self-confidence
Self-reflection
Responsibility

Attitude:

Approaches research with enthusiasm, passion and confidence
Is resilient and perseveres in the face of obstacles
Is self-reflective; seeks ways to improve performance and strives for research excellence
Is pro-active, independent, self-reliant and takes responsibility for self and others
Shows integrity

B2 - Self-management

Preparation and prioritisation
Commitment to research
Time management
Responsiveness to change
Work-life balance

Behaviour:

Anticipates and responds to directions and trends in research
Plans, prioritises and conducts research in proactive way
Delivers research projects and results on time and effectively
Develops awareness of, and helps to achieve, work-life balance for self and colleagues
Attitude:
Has a strategic approach to research
Has focus, commitment and ambition
Is flexible and responsive to change

B3 - Professional and career development

Career management
Continuing professional development
Responsiveness to opportunities
Networking
Reputation and esteem

Knowledge of:

Career and employment opportunities inside and outside academia
Behaviour:
Takes ownership of and manages professional development
Shows commitment to continuing professional development and enhancing employability
Maintains and develops relevant skills set and experience in preparation for a wide range of opportunities within and outside academia
Actively networks for professional and career purposes and seeks to enhance research reputation and esteem

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Domain C: Research Governance & Organisation

C1 - Professional conduct

Health and safety
Ethics, principles and sustainability
Legal requirements
IPR and copyright
Respect and confidentiality
Attribution and co-authorship
Appropriate practice

Knowledge of:
Health and safety issues, confidentiality and ethical requirements of his/her research field
The legal requirements and regulations relating to the area of research and the research environment
The principles of intellectual property rights (IPR) and copyright issues, its commercialisation and dissemination
Organisational and professional requirements and environmental impact of research
The concept of corporate social responsibility
Behaviour:
Respects, acknowledges and attributes the contribution of others
Seeks to protect the intellectual assets arising from research and to maximise the wider value of research findings
Acts with professional integrity in all aspects of research governance
Uses institutional/organisational resources responsibly and appropriately
Seeks ways of working in a sustainable manner
Attitude:
Respects, upholds and meets professional standards and requirements

C2 - Research management

Research strategy
Project planning and delivery
Risk management

Knowledge of:
The contribution of research to the health of disciplines and institutional missions
Project management tools and techniques
Behaviour:
Applies appropriate project management tools and techniques
Sets goals and plans and manages resources to deliver results
Effectively assesses and manages risks
Evaluates the effectiveness of research projects

C3 - Finance, funding and resources

Income and funding generation
Financial management
Infrastructure and resources

Knowledge of:
The requirement for research income generation and financial management
Mechanisms for funding, the range of funding sources and the processes for making applications
Local administrative systems, reporting procedures and infrastructure processes
Behaviour:
Responsibly manages finances, resources and infrastructures related to research

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Domain D: Engagement, influence & impact

D1 - Working with others

Collegiality
 Team working
 People management
 Supervision
 Mentoring
 Influence and leadership
 Collaboration
 Equality and diversity

Behaviour:

Actively works in an inclusive, respectful and constructive way with colleagues, stakeholders and research users
 Recognises and acknowledges the contribution of others and own part in team success
 Builds relationships in academic and commercial contexts; approachable and interacts constructively with others; manages expectations and resolves conflict
 Supervises, mentors and develops the potential of less experienced researchers and colleagues through support and advice
 Leads, motivates and influences where appropriate; persuades through listening and convincing discussion
 Builds and sustains collaborative relationships and works pro-actively to create and develop knowledge with a range of stakeholders, including researchers, funders and users of research

Attitude:

Respects the inclusive and collegial manner in which researchers conduct relationships within and beyond academia
 Recognises the potential for working in sustained partnerships with a range of stakeholders to generate new ideas, insights and maximise the potential for wider societal and economic impact
 Respects individual difference and diversity

D2 - Communication and dissemination

Communication methods
 Communication media
 Publication

Knowledge of:

Appropriate communication and dissemination mechanisms for different audiences
 The importance of engaging in the processes of publication and dissemination of research results and impacts

Behaviour:

Actively engages in publication and dissemination of research results and impacts
 Communicates effectively in both written and oral modes with a range of audiences formally and informally through a variety of different techniques and media

D3 - Engagement and impact

Teaching
 Public engagement
 Enterprise
 Policy
 Society and culture
 Global citizenship

Knowledge of:

Global, organisational, cultural, economic, and environmental contexts, and the wider impact of research
 The range of mechanisms to support knowledge transfer and maximise the impact of research in academic, economic and societal contexts .

Behaviour:

Works collaboratively with all stakeholders to create, develop and exchange research knowledge to influence and benefit

policy development, society and the economy; seeks new outlets and promotes the application of research in innovative ways

Attitude:Engages with and shares research through research-informed and student-focused teaching Contributes to increasing public awareness, engagement and understanding of research and associated impacts

Identifies innovative trends, ideas and applications; is enterprising and entrepreneurial within and beyond academia

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Parth A: Gwybodaeth a gallu deallusol

A1 – Cronfa wybodaeth

Gwybodaeth pwnc

Dulliau ymchwil – gwybodaeth ddamcaniaethol

Dulliau ymchwil – defnydd ymarferol

Chwilio am wybodaeth

Llythrennedd gwybodaeth a rheolaeth

Ieithoedd

Llythrennedd a rhifedd academiaidd

Gwybodaeth am y canlynol:

Y maes ymchwil, y datblygiadau yn y maes a'i gysylltiad gyda meysydd ymchwil eraill

Y dulliau a'r technegau arbrofol sy'n addas i gynllunio ymchwil

Ffynonellau gwybodaeth, meddalwedd llyfryddol a thechnolegau gwybodaeth eraill

Sgiliau llythrennedd a rhifedd a'r galluoedd ieithyddol sy'n addas i ymchwil

Ymddygiad:

Gwneud cyfraniad gwreiddiol at wybodaeth

Nodi, defnyddio a datblygu dulliau a thechnegau arbrofol sy'n addas i brojectau ymchwil

Chwilio am wybodaeth mewn modd effeithiol a chynhwysfawr

Cofnodi, rheoli ac ymdrin â gwybodaeth/data gan ddefnyddio meddalwedd llyfryddol a thechnolegau gwybodaeth addas eraill

A2 – Gallu gwybyddol

Dadansoddi

Cyfuno

Meddwl yn feiriadol

Gwerthuso

Datrys problemau

Ymddygiad:

Dadansoddi a gwerthuso canfyddiadau gan ddefnyddio dulliau addas

Meddwl yn wreiddiol, yn annibynnol ac yn feiriadol: yn datblygu cysyniadau damcaniaethol.

Cyfuno gwybodaeth yn feiriadol o amrywiaeth o ffynonellau

Gwerthuso cynnydd, effaith a chanlyniadau ymchwil

Adnabod a dilysu problemau; ffurfio a chymhwyso atebion i ddatrys amrywiaeth o broblemau ymchwil

Agwedd:

Barod i roi a derbyn beirniadaeth adeiladol

A3 –

Creadigrwydd

Meddwl chwilfrydig

Dealltwriaeth

ddeallusol

Arloesi

Ymddygiad:

Datblygu ffyrdd newydd o weithio; cael syniadau newydd a gwireddu eu potensial

Adnabod tueddiadau newydd; creu cyfleoedd newydd

Datblygu dadleuon argyhoeddiadol i amddiffyn ymchwil

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Llunio dadl
Risg deallusol

Cymryd risgiau deallusol, herio'r status quo

Agwedd:

Gwneud ymchwil mewn ffordd greadigol, ddychmygus a chwilfrydig
Agored i syniadau o ffynonellau newydd

Parth B: Effeithiolrwydd personol

B1 - Pridweddau personol

Brwdfrydedd

Agwedd:

Ymdrin ag ymchwil gyda brwdfrydedd, diddordeb a hyder

Dyfalbarhad

Gwydn ac yn dyfalbarhau yn wyneb rhwystrau

Didwylledd

Hunan-adyfyriol; yn ceisio ffyrdd o wella perfformiad ac yn anelu at ragoriaeth ymchwil

Hunan-hyder

Rhagweithiol, annibynnol, hunan-ddibynnol ac yn cymryd cyfrifoldeb am ei hun ac am bobl eraill

Hunan-adyfyrio

Didwyll

Cyfrifoldeb

B2 – Hunan-reoli

Paratoi a blaenoriaethu

Ymddygiad:

Rhagweld ac ymateb i gyfeiriadau a thueddiadau ym maes ymchwil

Ymrwymiad i ymchwil

Cynllunio, blaenoriaethu a gwneud ymchwil mewn ffordd ragweithiol

Rheoli amser

Cwblhau projectau ymchwil a chanlyniadau'n brydlon ac yn effeithiol

Ymateb i newid

Datblygu ymwybyddiaeth o gydbwysedd bywyd-gwaith ac yn cynorthwyo ei hun a'i gydweithwyr i gyflawni hynny

Cydbwysedd bywyd-gwaith

Agwedd:

Ymdrin ag ymchwil mewn ffordd strategol

Cyrchu at y nod, yn ymrwymedig ac uchelgeisiol

Hyblyg ac yn ymateb i newid

B3 – Datblygiad proffesiynol a gyrfaol

Rheoli gyrfa

Gwybodaeth am y canlynol:

Cyfluoedd gyrfa a chyflogaeth yn y byd academiaidd a thu hwnt

Datblygiad proffesiynol parhaus

Ymddygiad:

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Ymateb i gyfleoedd

Perchnogi a rheoli datblygiad proffesiynol

Rhwydweithio

Ymrwymiad i ddatblygiad proffesiynol parhaus a gwella cyflogadwyedd

Enw da a bri

Cynnal a datblygu sgiliau a phrofiad perthnasol er mwyn bod yn barod am amrywiaeth eang o gyfleoedd yn y byd academiaidd a thu hwnt

Rhwydweithio'n bwrpasol er dibenion proffesiynol a gyrfaol ac yn ceisio gwella enw da a bri ymchwil

Parth C: Rheolaeth a threfn ymchwil

C1 – Ymddygiad proffesiynol

Iechyd a diogelwch

Gwybodaeth am y canlynol:

Materion iechyd a diogelwch, gofynion cyfrinachedd a moesegol y maes ymchwil

Moeseg, egwyddorion a chynnaladwyedd

Gofynion a rheoliadau cyfreithiol sy'n ymwneud â'r maes ymchwil a'r amgylchedd ymchwil

Gofynion cyfreithiol

Egwyddorion hawliau eiddo deallusol a materion yn ymwneud â hawlfraint, masnacholi a lledaenu

Hawliau eiddo deallusol a hawlfraint

Gofynion sefydliadol a phroffesiynol ac effaith amgylcheddol ymchwil

Parch a chyfrinachedd

Cysyniad cyfrifoldeb cymdeithasol corfforaethol

Priodoli a chyhoeddi ar y cyd

Ymddygiad:

Arfer addas

Parchu, cydnabod a phriodoli cyfraniad pobl eraill

Ceisio diogelu'r asedau deallusol sy'n deillio o ymchwil a chynnyddu gwerth canfyddiadau ymchwil cymaint â phosib

Ymddwyn gydag unplygrwydd proffesiynol ym mhob agwedd ar reoli ymchwil

Defnyddio ffynonellau sefydliadol mewn modd cyfrifol ac addas

Ceisio ffyrdd o weithio mewn dull cynaliadwy

Agwedd:

Parchu, cynnal a bodloni safonau a gofynion proffesiynol

C2 - Rheoli ymchwil

Strategaeth ymchwil

Gwybodaeth am y canlynol:

Cyfraniad ymchwil tuag at iechyd disgyblaethau a chenadaethau sefydliadol

Cynllunio a chwblhau projectau

Dulliau a thechnegau rheoli projectau

Rheoli risg

Ymddygiad:

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Defnyddio dulliau a thechnegau rheoli projectau priodol
Pennu nodau ac yn cynllunio a rheoli adnoddau i gyflwyno'r canlyniadau
Asesu a rheoli risgiau'n effeithiol
Gwerthuso effeithiolrwydd projectau ymchwil

C3 - Arian, cyllid ac adnoddau

Cynhyrchu incwm a chyllid

Rheolaeth ariannol

Seilwaith ac adnoddau

Gwybodaeth am y canlynol:

Gofynion o ran cynhyrchu incwm ymchwil a rheoli arian
Dulliau cyllido, yr amrywiaeth o ffynonellau cyllido a'r prosesau o baratoi ceisiadau am gyllid
Systemau gweinyddol lleol, trefniadau adrodd a phrosesau seilwaith

Ymddygiad:

Rheoli cyllid, adnoddau a seilwaith sy'n gysylltiedig ag ymchwil mewn modd cyfrifol

Rhaglen Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Parth D : Ymwneud, dylanwad ac effaith

D1 - Gweithio gyda phobl eraill	Ymddygiad:
Cydweithredu gydag eraill	Gweithio mewn modd cynhwysol, parchus ac adeiladol gyda chydweithwyr, budd-ddeiliaid a defnyddwyr ymchwil
Gweithio mewn tîm	Cydnabod cyfraniad pobl eraill a chyfraniad ei hun at lwyddiant y tîm
Rheoli pobl	Creu cysylltiadau mewn cyd-destunau academaidd a masnachol; yn hawdd mynd ato/ati ac yn ymwneud yn adeiladol gyda phobl eraill;
Goruchwylio	yn rheoli disgwyliadau ac yn datrys gwrthdaro
Mentora	Goruchwylio, mentora a datblygu potensial ymchwilwyr a chydweithwyr llai profiadol trwy roi cefnogaeth a chynghor iddynt
Dylanwad ac arweinyddiaeth	Arwain, symbylu a dylanwadu pan fo'n addas; dwyn perswâd trwy wrando a thrwy drafodaeth argyhoeddiadol
Cydweithredu	Meithrin a chynnal cysylltiadau cydweithredu ac yn gweithio'n rhagweithiol i greu a datblygu gwybodaeth gydag amrywiaeth o fudd-ddeiliaid, yn cynnwys ymchwilwyr, cyllidwyr a defnyddwyr ymchwil
Cydraddoldeb ac amrywiaeth	Agwedd: Parchu dull cynhwysol a chydweithredol ymchwilwyr o feithrin cysylltiadau yn y byd academaidd a thu hwnt. Adnabod y posibilïadau o weithio mewn partneriaethau parhaus gydag amrywiaeth o fudd-ddeiliaid i greu syniadau a dealltwriaeth newydd a gwneud y mwyaf o'r potensial er mwyn effeithio cymaint â phosib ar y gymdeithas a'r economi
	Parchu gwahaniaeth ac amrywiaeth unigol
D2 – Cyfathrebu a lledaenu	Gwybodaeth am y canlynol:
Dulliau cyfathrebu	Dulliau addas o gyfathrebu a lledaenu gwybodaeth i gynulleidfaoedd gwahanol. Pwysigrwydd cymryd rhan yn y gwaith o gyhoeddi a lledaenu canfyddiadau ac effeithiau ymchwil
Cyfryngau cyfathrebu	Ymddygiad:
Cyhoeddi	Cymryd rhan weithredol yn y gwaith o gyhoeddi a lledaenu canfyddiadau ac effeithiau ymchwil. Cyfathrebu'n effeithiol yn ysgrifenedig ac ar lafar gydag amrywiaeth o gynulleidfaoedd, yn ffurfiol ac yn anffurfiol, trwy gyfrwng amrywiaeth o ddulliau a chyfryngau gwahanol
D3 – Ymwneud ac effaith	Gwybodaeth am y canlynol:
Dysgu	Cyd-destunau rhyngwladol, sefydliadol, diwylliannol, economaidd ac amgylcheddol ac effaith ehangach ymchwil. Amrywiaeth y dulliau o gefnogi'r gwaith o drosglwyddo gwybodaeth a chael yr effaith mwyaf posib yn y cyd-destun academaidd, economaidd a chymdeithasol. Goblygiadau cymdeithasol a moesegol ymchwil ac agwedd y cyhoedd i'r materion hynny.
Ymwneud â'r cyhoedd	
Menter	Ymddygiad:

Rhaglen Datblygu Ymchwilyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme

Polisi

Gweithio ar y cyd gyda phob budd-ddeiliad i greu, datblygu a chyfnewid gwybodaeth ymchwil er mwyn dylanwadu ar ddatblygu polisi, cymdeithas a'r economi a bod o fudd iddynt; chwilio am gymwysiadau newydd a hyrwyddo defnyddio ymchwil mewn dulliau arloesol

Cymdeithas a

diwylliant

Dinasyddiaeth fyd- eang

Rhannu'r ymchwil trwy gyfrwng addysgu sy'n seiliedig ar ymchwil ac yn canolbwyntio ar fyfyrwyr

Cyfrannu at gynyddu ymwybyddiaeth, diddordeb a dealltwriaeth y cyhoedd am ymchwil a'r effeithiau cysylltiedig

Adnabod tueddiadau, syniadau a chymwysiadau arloesol; yn fentrus ac yn entrepreneuriaidd yn y byd academiaidd a thu hwnt

Gwerthfawrogi a gweithio gydag amrywiaeth a gwahaniaeth mewn ymchwil ac addysg

Agwedd:

Cydnabod pwysigrwydd atebolrwydd ymchwil o ran effeithiau cymdeithasol ac economaidd, rhyngwladoli a dinasyddiaeth fyd-eang

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

Information Management

Refworks & Cite +Write

Delivered by : Library

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Monthly 3 hour sessions

Invaluable course for thesis writing & production.
Make sure you keep control of all your references

Information Hunting

Delivered by : Library

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

How to find the best and most relevant information sources for your research

E- Resources

Delivered by : Library

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

What information is available to you online?

Technical & research skills (IT Skills)

Digital researcher

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Presentations and interactive sessions on subjects such as microblogging, RSS feeds, social networking and social citation sharing. Participants will explore and develop the skills needed for research in an increasingly digital world and gain ideas for managing information.

IT Clinics & Drop ins

Delivered by :

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Monthly

Drop in sessions to discuss your needs with an IT specialist.

Social Media

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Are you tweeting? How to become involved in the social media to improve your networking and support your research. Also what pitfalls to avoid.

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

Technical & research skills (IT Skills)

Statistics for Postgraduate Research Module

Module Code: ZXX4507 10 credits

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood

edsc04@bangor.ac.uk x 2799

Times: Ten week course throughout Semester one or two

Understanding of PASW (statistical analysis application)

Statistical manipulation and analysis of a range of research data

Opportunity to analyse actual research data

IT and Data Handling Module

Module Code: ZXX4502 10 credits

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood

edsc04@bangor.ac.uk x 2799

Times: Ten week course throughout Semester one or two

Use of Excel to tabulate data, calculate results and create graphs

Use of Access to store, sort and query large repetitive datasets and to create tabular and single record reports and forms

Produce professional quality charts & graphics

nVivo

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood

edsc04@bangor.ac.uk x 2799

Times: One day workshop in Semester 2

Essential skills training and practise in using the qualitative data analysis software nVivo

IT Skills for Thesis Production

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood

edsc04@bangor.ac.uk x 2799

Times: 2 x Half days workshop in Semester one and Semester two

Thesis Structure : essential components

Academic / Discipline Conventions

Timing / planning: completion!

Advanced Statistics Module

Module code : PHP4006 15 Credits

Delivered by : Psychology School

Suitable for: Early/Mid Postgraduates

Contact: Mr Chris Whitaker X8718

c.j.whitaker@bangor.ac.uk

Variety of statistical tools including analysis of variance for simple and complex designs; analysis of covariance; simple and multiple linear regression, logistic regression, log-linear analysis; exploratory factor analysis

Statistical models

Planned and unplanned comparisons

Latent Variable Modelling Module

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood

edsc04@bangor.ac.uk x 2799

Times: One day workshop in Semester 2

Essential skills training and practise in using the qualitative data analysis software nVivo

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

*Technical & Research Skills – other
(Humanities)*

The Qualitative Researcher

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

How do you interpret your interviews and focus groups transcripts? How do you code your data?

Essential training to support your nVivo software training.

Documents and Sources in pre-modern History

Module code HPH4006 Credits: 20

Delivered by : School of History, Welsh History and Archaeology

Suitable for: Early Postgraduates

Contact: Prof. Huw Pryce X2151 a.h.pryce@bangor.ac.uk

Times: Contact School for details

Focuses on the potential use of a range of religious and secular records

Includes sources used by other disciplines

Assumes no knowledge of Latin or palaeography

Draws on research expertise of several staff

Themes and Issues in History

Module code HPH4005 Credits: 20

Delivered by : School of History, Welsh History and Archaeology

Suitable for: Early Postgraduates

Contact: Prof. Huw Pryce X2151 a.h.pryce@bangor.ac.uk

Times: Contact School for details

Covers a range of influential approaches to how history has been written

Allows students to focus on pre-modern or modern periods

Draws on research expertise of several staff

Initiating a (History / Archaeology) Research Project

Module code HPH4008 Credits: 20

Delivered by : School of History, Welsh History and Archaeology

Suitable for: Early Postgraduates

Contact: Prof. Huw Pryce X2151 a.h.pryce@bangor.ac.uk

Times: Contact School for details

Identifies the elements of a good project

Shows how these are brought together

Relates this to the development of a specific dissertation topic

Documents and Sources in Modern History

Module code HPH4007 Credits: 20

Delivered by : School of History, Welsh History and Archaeology

Suitable for: Early Postgraduates

Contact: Prof. Dr Alexander Sedlmaier X3604 a.sedlmaier@bangor.ac.uk

Times: Contact School for details

Focuses on the potential use of a wide range of sources. Includes sources used by other disciplines

Uses examples relating to 19th and 20th Century research topics

Medieval Latin

Delivered by : School of History, Welsh History and Archaeology

Suitable for: Early Postgraduates

Contact: Prof. G. Rex Smith

Times: Contact School for details

Teaches medieval Latin from scratch, to equip students to read edited primary historical sources in Latin.

It aims to provide the necessary guidance in finding and using to maximum effect relevant reference works in order to exploit the primary historical sources in Latin to the full.

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

*Technical & Research Skills – other
(Humanities)*

Advanced Latin for Postgraduates

Delivered by College of Arts, Education & Humanities

Suitable for: Early and Mid Postgraduates

Contact: Dr Suan Lee X2287 s.lee@bangor.ac.uk

Times: Contact School for details

College of Arts, Education and Humanities Graduate Induction

Delivered by College of Arts, Education & Humanities

Suitable for: Early Postgraduates

Contact School for details

Times: Contact School for details

Contexts and Concepts in Composition

Module code : WMP4042 Credits 20

Delivered by: School of Music

Suitable for: Early Postgraduates

Contact School for details

Times: Contact School for details

Research methods for Modern languages

Module code : LXM4002 Credits 30

Delivered by School of Modern Languages.

Suitable for: Early Postgraduates

Contact: Dr Helena Miguez Carballeira

Times: Contact School for details

Writing skills, database skills, presentation skills with an emphasis on a career in modern language-based academic subjects

Medieval Palaeography and Codicology

Delivered by College of Arts, Education & Humanities

Suitable for: Early and Mid Postgraduates

Contact: Dr Sue Niebrzydowski X2111

elsc41c@bangor.ac.uk

Times: Contact School for details

See:

www.bangor.ac.uk/palaeography_training/index.php

College of Arts, Education and Humanities Research Seminars

Delivered by College of Arts, Education & Humanities

Suitable for: Early, Mid and Late stage Postgraduates

Contact School for details

Times: Contact School for details

Introductory Methodologies & Critical Approaches

Delivered by School of English

Suitable for: Early and Mid Postgraduates

Contact: Professor Andrew Hiscock X2563

a.hiscock@bangor.ac.uk

Times: Contact School for details

Current Musicology

Module code : WMP4041 Credits 20

Delivered by: School of Music

Suitable for: Early Postgraduates

Contact: Professor Thomas Schmidt-Beste X2190

mus205@bangor.ac.uk

Times: Contact School for details

To generate or extend insights into current trends in musicological research and discourse

To generate or extend knowledge of research methodologies in music (in the areas of history, criticism, edition, analysis and performance practice)

To enhance study and research skills related to musicology (use of literature, of IT resources, source studies, etc.)

To enhance oral presentation skills as appropriate at postgraduate level

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

*Technical & research skills- other
(Sciences)*

Chemistry Lecture Programme

Delivered by : School of Chemistry

Suitable for: PhD students in the School of Chemistry, some lectures maybe of interest to PhD students in Biological Sciences

Contact: Dr Hongyun Tai X2383 h.tai@bangor.ac.uk

Times: Tuesdays 4.15 (see School notice board)

Research based lectures by visiting chemists and scientists

Scientific, technical & research skills

Delivered by : School of Environment & Natural Resources (SENR)

Suitable for: PhD students in SENR

Contact Dr John Hall X2446 j.b.hall@bangor.ac.uk

Times: Contact School for details

A number of MSc modules are available to PhD students as opportunities to broaden their technical skills base.

College of Natural Sciences Graduate School

Module ONS 4002 Credits:40

Delivered by : CNS

Required for:

First year PhD students in CNS

MRes (Ecology) students in CNS

MRes (Natural Sciences) students in CNS

Contact: Sally Wells CNS Graduate School

Times: timetable arranged each year

Literature review, talk presentation, seminars, grant application or similar.

College of Natural Sciences Graduate School

Module ONS4001 Credits:20

Delivered by : CNS

Required for:

First year PhD students in CNS

MRes (Ecology) students in CNS

MRes (Natural Sciences) students in CNS

Contact: Sally Wells CNS Graduate School

Times: timetable arranged each year

Includes Health and safety and options in biovariability, field study, maths, Matlab, and presentation

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

Language Skills

Practical Language Skills

Delivered by : School of Modern Languages

Suitable for: Early/Mid/Late Postgraduates

Contact: Mrs Moira Tait X2130

mls001@bangor.ac.uk

Times: Weekly throughout Semester one and Semester two

Courses are offered at 2 levels: Level 1 (beginner) and Level 2 (Grade A or B at GCSE or equivalent).

Each level it is taught for 2 semesters, each separately assessed in January and June

Courses give a progressive, situational introduction to using the language in everyday contexts

Emphasis is on speaking and listening but grammatical accuracy is developed in some written work

Languages available include:

Spanish

German

Japanese

French

Italian

Mandarin Chinese

Advanced Language Skills

Delivered by : School of Modern Languages

Suitable for: Early/Mid/Late Postgraduates

Contact: Mrs Moira Tait X2130

mls001@bangor.ac.uk

Modules are available upon request from the Schools undergraduate provision. Students are invited to discuss specific needs with the School of Modern languages.

Advanced Vocabulary Use and Reading Skills Module

Module code: ZXX4003 10 Credits

Delivered by : ELCOS

Suitable for: Non-native speakers of English with an IELTS of less than 7.0

Contact: ELCOS

Times: 10 week course

Academic vocabulary expansion.
Techniques for recognition and learning of vocabulary.
Vocabulary and style in writing.
Reading techniques for speed and extracting information.
Writing summaries from texts.

Speaking and Listening for Academic Purposes Module

Module code: ZXX4100 10 Credits

Delivered by : ELCOS

Suitable for: Non-native speakers of English with an IELTS of less than 7.0

Contact: ELCOS

Times: 10 week course

Expressing ideas in speaking situations
Presentation of information to a listening audience
Understanding and dealing with questions
Improving pronunciation
Improving spoken fluency and accuracy
Awareness and analysis of spoken errors

Academic Writing and Grammar Module

Module code: ZXX4002 10 Credits

Delivered by : ELCOS

Suitable for: Non-native speakers of English with an IELTS of less than 7.0

Contact: ELCOS

Times: 10 week course

Sentence structure, grammar and style
Organization and structure of different types of writing
Common problems in grammar, syntax and spelling
Writing conventions in postgraduate study
Using source materials in writing

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

Language Skills

Conversational Welsh Module

Module code: ZXC4003 / 4 ZXC4011/2

Delivered by : School of Lifelong Learning

Suitable for: Early/Mid/Late Postgraduates

Contact: Mr Elwyn Hughes X2259

ems403@bangor.ac.uk

Times: 10 week course

Introduction to the most common patterns of spoken Welsh

Emphasis on everyday conversational and listening skills

Note: Students are placed in an appropriate class following an initial meeting to assess their existing knowledge of Welsh

Ymdrin â'ch Pwnc drwy'r Gymraeg

Module code: ZXC4202 (Semester 2 only)

Delivered by : Canolfan Bedwyr

Suitable for: Early/Mid/Late Postgraduates -first language speakers or fluent learners

Contact: Ms Eleri Hughes X3293

eleri.hughes@bangor.ac.uk

Times:

This module aims to help students gain confidence in using the Welsh language to discuss their fields of academic expertise. It will develop their oral and written skills by concentrating on the following:

- common grammatical errors
- language register (in an oral and written context)
- applied language skills e.g. translation; translanguaging
- using Cysgliad (the electronic dictionary, spell checker and grammar checker)

Ymdrin â'ch Pwnc drwy'r Gymraeg

Module code: ZXC4202 (Semester 2 only)

Delivered by : Canolfan Bedwyr

Suitable for: Early/Mid/Late Postgraduates - (siaradwyr iaith gyntaf neu ddysgwyr rhugl)

Contact: Ms Eleri Hughes X3293

eleri.hughes@bangor.ac.uk

Times:

Nod y modiwl hwn yw cynyddu hyder myfyrwyr i ddefnyddio'r Gymraeg wrth ymdrin â'u maes academaidd. Bydd y modiwl yn datblygu eu sgiliau iaith ar lafar ac yn ysgrifenedig drwy ganolbwyntio ar y canlynol:

- gwallau gramadegol cyffredin
- cywair iaith addas (mewn cyd-destun llafar ac ysgrifenedig)
- sgiliau iaith cymhwysol e.e. cyfieithu; trawsieithu
- defnyddio offer iaith cyfrifiadurol (Cysgliad)

Domain A: Knowledge & intellectual abilities

The knowledge, intellectual abilities and techniques to do research

Additional modules:

Issues in Qualitative and Quantitative Analysis

Delivered by : School of Psychology

Suitable for: Early/Mid

Contact: School for details

Communicating Research in Psychology

Delivered by : School of Psychology

Suitable for: Early/Mid

Contact: School for details

Marine Research Skills

Delivered by : School of Ocean Sciences

Suitable for: Early/Mid

Contact: School for details

Bilingualism: Research and Methods

Delivered by : School of Psychology

Suitable for: Early/Mid

Contact: : School for details

Advanced Statistics

Delivered by : School of Psychology

Suitable for: Early/Mid

Contact: : School for details

Domain B: Personal Effectiveness

The personal qualities and approach to being an effective researcher

Career Management

Entrepreneurship

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

What are you doing with your latest commercial/intellectual idea?

The workshop will introduce you to nascent, new and established entrepreneurs.

You will examine the techniques and the successes and failures of established people.

You will receive information on support structures to help you succeed in your chosen area

Interview Skills Training

Delivered by : Academic Development Unit

Suitable for: Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

Examine the skills you need to succeed in interviews.

Practice the techniques and receive feedback on your performance

CV Writing

Delivered by : Academic Development Unit

Suitable for: Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

What do employers think of PhD students? What skills do employers want?

What skills as a PhD can you offer?

Examine the techniques you need to acquire to write an appropriate and effective CV.

Receive feedback on your CV

The workshop will examine the needs of both Commercial and Academic CV writing

CV Clinic

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Receive constructive feedback on your CV

Bangor UK GRAD School

Delivered by : Academic Development Unit

Suitable for: Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Three day residential course in Semester one

Residential course focussed on career management and progression

Domain B: Personal Effectiveness

The personal qualities and approach to being an effective researcher

Personal Development

Effective Researcher Course

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates (6-18 months full-time or equivalent part-time)

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Two day residential course in Semester two

2-day residential course focused on skills development (team-working, time management, problem-solving)

Effective part- time Researcher Course

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: One day course available semester two

1-day course focused on skills development (team-working, time management, problem-solving) needed by Part-time Researchers

Time Management

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

Strategies to:

Schedule your workload and set goals

Re-evaluate your attitude to time management

Early Researcher Staff Development Sessions

Delivered by : College of Arts, Education & Humanities

Suitable for: Early/Mid Postgraduates

Contact: Dr Suan Lee X2287 s.lee@bangor.ac.uk

Times: Contact College for details

Creative Thinking and Problem Solving

Delivered by : Academic Development Unit

Suitable for: Early/Mid/ latePostgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

Techniques and tools to help you approach your research problems in new and creative ways.

Rapid Reading

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one

Theoretical principles of rapid reading and their practical applications to everyday problems

Techniques for reading and assimilating written material

The dynamics of speed reading

Domain B: Personal Effectiveness

The personal qualities and approach to being an effective researcher

Personal Development

Preparing for the Viva

Delivered by : Academic Development Unit

Suitable for: Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Purpose of the oral (*viva voce*) examination

Know what types of question might be asked and how to prepare yourself

Have an understanding of the processes involved before, during and after the PhD viva

Making the Most of Conferences

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one

Opportunities that conferences offer and what you can get out of them

Getting the most from question time

Networking and following up opportunities

Managing Working Relationships

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

Understand the basis for difficulties in working relationships

Recognize the key behaviours needed to work effectively with others

Identify your own style for dealing with conflict

Address strategies to deal with difficult interpersonal situations at work

Contributing to Successful Teams

Delivered by : Human Resources

Suitable for: Early/Mid Postgraduates

Contact: HR

Times: Contact HR for times

Examine the importance of effective team working

Recognise your role in a team and how best to contribute to your team

Identify the characteristics of high-performing teams

Managing your Supervisory Relationship

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Get the most from your supervisory meetings. Learn how to prepare and coordinate your meetings. How to get the best out of yours and your supervisor's time.

Domain C: Research Governance & Organisation

The knowledge of the standards, requirements and professionalism to do research

Finance, funding & resources

Getting Research Funding after you PhD

Delivered by : Research and Innovation Office

Suitable for: Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Information about research funding opportunities and research sponsors after your PhD

Research and technology policies

Proposal Writing

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

How to write a successful proposal

Where to look and what to look out for

Financial Planning

Delivered by : Academic Development Unit

Suitable for: Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

How to develop your knowledge and skills with planning financial budgets

Research Management

Project Management

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

An introduction to the process of managing projects and the tools to assist in planning and tracking progress.

The basics of the project planning process : checklists and guidelines

Principles of a well-led and well directed project : identifying and scheduling tasks, activities, milestones and understanding and managing stakeholders

Identifying and managing risks
Identifying and managing risks in your research and research planning

Risk Management

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester two

Identifying and managing risks in your research and research planning

Domain C: Research Governance & Organisation

The knowledge of the standards, requirements and professionalism to do research

Professional Conduct

Laboratory Health & Safety

Module code : FXX4999 Credits: 10

Delivered by : School of Chemistry

Suitable for: Early PhD students in Science / Engineering

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Runs once a year over both semesters

This course gives a basic grounding in safety training.

A series of videos/lectures are used to give the students awareness of all safety issues which include legal requirements, filling in COSHH assessment forms, use of data bases etc.

The students also participate in an intensive first aid course under the guidance of the Red Cross, the successful completion of which results in certification.

Included is a practical fire fighting course where the students learn the basis of fire prevention, the correct techniques in the use of and choices of fire extinguishers.

Diplomacy of Overseas work

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: : Half day workshop in Semester two

Issues in conducting research overseas: e.g. visa protocols, research clearances etc.

Cultural considerations and political issues

Research Governance & Ethics

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Data management and privacy / confidentiality
Protection of human research subjects (including informed consent)

Academic credibility, scientific integrity, and peer review

The ethics approval process

Research governance – factors that govern your research

Local university, national and international research

Intellectual property

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

An introduction to the various intellectual property rights available and how they are used in the process of commercializing University inventions
Trademarks, design right and copyright
Practical mechanisms of licensing and spin out companies

Domain D: Engagement, influence & impact

The knowledge and skills to work with others and ensure the wider impact of research

Communication & Dissemination

Media Training

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

How will you present your research to the Media?
How will you respond to the interview techniques of experienced reporters?

A one day workshop where you will have the opportunity to practice interview techniques, present your research to the camera and receive feedback from experienced BBC journalists

Poster Planning & preparation

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

How do you condense your research into a poster, what should you choose and emphasise?

Public Speaking

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Techniques and hints from experienced presenters you enable you to deliver your lectures, conference papers, seminars papers clearly and effectively.

You will have two opportunities to present during the day and receive feedback from both sessions.

(This will be without technical presentation tools)

A Voice Coach and Vocal trainer will help you to develop clarity with enunciation & articulation

Finishing & Publishing Academic papers

Delivered by : Academic Development Unit

Suitable for: Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and ZXX4007 Module 2 days (10 credits) Semester two

Drafting, reviewing, redrafting, editing, proof reading research articles for publication as working papers and for submission to targeted journals.

Presentation Skills

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

-
- Techniques and hints from experienced presenters you enable you to present your lectures, conference papers, seminars papers effectively and interestingly.
 - Deliver a presentation using technical tools and receive constructive feedback on it.
 - Discuss the use of PowerPoint/ Podcasts/ Vodcasts and the benefits and negatives of all

Advanced IT Presentation Skills

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Improve your Power Point and make your presentations more succinct and interesting

Domain D: Engagement, influence & impact

The knowledge and skills to work with others and ensure the wider impact of research

Communication & Dissemination

Making the most of Conferences

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Opportunities that conferences offer and what you can get out of them

Getting the most from question time

Networking and following up opportunities

IT Presentation Skills Module

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: 10 Credit Module ZXX4508

Advanced PowerPoint

Use of presentation equipment such as data projectors, video, OHP

Assessing the audience and optimising the delivery method

Podcasting/ Vodcasting

Video Presentations and feedback sessions

Ten week course

IT Communication Skills Module

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: 10 Credit Module

Use Microsoft Publisher to produce publications of all kinds, from posters and one-page fliers to multi-page documents and newsletters.

Use Adobe Dream Weaver , the web authoring package to produce attractive web pages

An introduction to Adobe Photo Shop for 2D digital imaging to create and manipulate images for inclusion in printed documents and web pages

Ten week course

Basic understanding of windows required.

Thesis Writing

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: 2 x Half days workshop in Semester one and Semester two

Thesis Structure : essential components

Academic / Discipline Conventions

Timing / planning: completion!

Presentation Skills

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

- What do employers think of PhD students? What skills do employers want?
- What skills as a PhD can you offer?
- Examine the techniques you need to acquire to write an appropriate and effective CV.
- Receive feedback on your CV
- The workshop will examines the needs of both Commercial and Academic CV writing

Domain D: Engagement, influence & impact

The knowledge and skills to work with others and ensure the wider impact of research

Engagement & Impact

Public Engagement

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Essential training and awareness of the social impact of your research

Practise in the delivery of your research to a non-specialist audience

'My Research' Lunchtime seminars

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Monthly

Present your research or topic of interest to a interdisciplinary group of colleagues from across Bangor University.

A chance to practise before delivering the paper at a conference.

Find out what people from other disciplines think and understand of your work.

Beyond Boundaries Conference

Delivered by : Research Students Forum

Suitable for: Early/Mid/Late Postgraduates

Contact: Nelson Ramos (Chair RSF)

Times: Two day event in Semester Two

A two day research conference organized by the Research Students Forum, giving PhD students the opportunity to present their work to their peers.

www.bangor.ac.uk/ar/rsf/

Domain D: Engagement, influence & impact

The knowledge and skills to work with others and ensure the wider impact of research

Working with others

Managing your Supervisory Relationship

Delivered by : Academic Development Unit

Suitable for: Early/Mid Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Get the most from your supervisory meetings. Learn how to prepare and coordinate your meetings. How to get the best out of yours and your supervisor's time.

Managing working relations

Delivered by : Human Resources

Suitable for: Early /Mid/Late Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Understand the basis for difficulties in working relationships
Recognize the key behaviours needed to work effectively with others
Identify your own style for dealing with conflict
Address strategies to deal with difficult interpersonal situations at work

Negotiating

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one and Semester two

Techniques and hints from experienced presenters you enable you to deliver your lectures, conference papers, seminars papers clearly and effectively.

You will have two opportunities to present during the day and receive feedback from both sessions.

(This will be without technical presentation tools)

A Voice Coach and Vocal trainer will help you to develop clarity with enunciation & articulation

Networking

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Michele Underwood
edsc04@bangor.ac.uk x 2799

Times: Half day workshop in Semester one

How do you make the contacts you need? How to follow up on information?

Contributing to successful teams

Delivered by : Human Resources

Suitable for: Early/Mid/Late Postgraduates

Contact:

Times: Half day workshop in Semester one and Semester two

Examine the importance of effective team working
Recognise your role in a team and how best to contribute to your team
Identify the characteristics of high-performing teams

Domain D: Engagement, influence & impact

The knowledge and skills to work with others and ensure the wider impact of research

Teaching & Learning

PGCertHE (Stage One)

Delivered by : Academic Development Unit

Suitable for: Early Postgraduates

Contact: Dr Charles Buckley

30 Credit module – Requires 60 hours contact teaching time

How students learn and how teachers support learning

Assessment practices and principles

Providing evidence of competence and reflective practice

Planning for teaching

Exploring some of the links between research and teaching

Teaching and Demonstrating Skills

Delivered by : Academic Development Unit

Suitable for: Early/Mid/Late Postgraduates

Contact: Michele Underwood

edsc04@bangor.ac.uk x 2799

Times: Half day workshops for either Science or Humanities students

Concepts of learning and teaching

Skills required for good teaching

Giving feedback

**Ffurflen Gofrestru ar gyfer Modiwlau Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/
Early Researcher Development Programme *Registration document***

Code	Module Title	Please circle	Credits	√
ZXX4502/4509	IT and Data Handling	Semester 1 Or 2	10 10	
ZXX4507/4510	Statistics for Postgraduate Research	Semester 1 Or 2	10 10	
ZXX4508 /	IT Presentation Skills	Semester 1 Or 2	10 10	
ZXX4514/4504	IT Communication Skills	Semester 1 Or 2	10 10	
ZXX4006	Latent Variable Modelling.	Semester 2	10	
FXX4999	Laboratory Health & Safety	Semesters 1 & 2	10	
ZXX4002	Academic Writing and Grammar (<i>overseas students</i>)	Semester 1	10	
ZXX4003	Advanced Vocabulary Use and Reading Skills (<i>overseas students</i>)	Semester 2	10	
ZXX4100	Speaking & Listening for Academic Purposes (<i>overseas students</i>)	Semester 1	10	
Welsh	Conversational Welsh ZXC4003/4004/ 4011/ 4012	Semesters 1-4	10	
ZXC4002 /4202	Ymdrin â'ch Pwnc drwy'r Gymraeg	Semester 1 Or 2	10	
Spanish	Beginners/ Intermediate/ Advanced	Semester 1 Or 2	10 10	
French	Beginners/ Intermediate/ Advanced	Semester 1 Or 2	10 10	
German	Beginners/ Intermediate	Semester 1 Or 2	10 10	
Italian	Beginners/ Intermediate	Semester 1 Or 2	10 10	
Mandarin Chinese	Beginners	Semester 1 Or 2	10 10	
Japanese	Beginners	Semester 1 Or 2	10 10	
ZXX4007	Finishing and Publishing Academic Papers	2-day course In July	10	
XVE4008/09	PGCertHE (Please register your interest with this form. Further details will be sent out with a detailed application form)	Stage One / Two	30	

Name.....
 ID number: 500.....
 Year & Mode of
 Study.....
 Email
 address.....
 School.....
 Supervisor.....

Please tick the module/s you wish to enrol on. Your supervisor MUST sign to certify agreement.

Please return the completed form to Michele Underwood (edsc04@bangor.ac.uk), Academic Development Unit, Normal Site as soon as possible.

Keep a copy for your records.

Signature of
 Student.....

Date.....

Signature of
 Supervisor.....

Date.....

Ffurflen Gofrestru ar gyfer Modiwlau Datblygu Ymchwilwyr ar Ddechrau eu Gyrfa/ Early Researcher Development Programme *Registration document*

Cod	Teitl y Modiwl	Rhowch gylch o gwmpas	Credydau	√
ZXX4502/4509	IT and Data Handling	Semester 1 Or 2	10 10	
ZXX4507/4510	Statistics for Postgraduate Research	Semester 1 Or 2	10 10	
ZXX4508 /	IT Presentation Skills	Semester 1 Or 2	10 10	
ZXX4514/4504	IT Communication Skills	Semester 1 Or 2	10 10	
ZXX4006	Latent Variable Modelling.	Semester 2	10	
FXX4999	Laboratory Health & Safety	Semesters 1 & 2	10	
ZXX4002	Academic Writing and Grammar (<i>overseas students</i>)	Semester 1	10	
ZXX4003	Advanced Vocabulary Use and Reading Skills (<i>overseas students</i>)	Semester 2	10	
ZXX4100	Speaking & Listening for Academic Purposes (<i>overseas students</i>)	Semester 1	10	
Welsh	Conversational Welsh ZXC4003/4004/ 4011/ 4012	Semesters1-4	10	
ZXC4002 /4202	Ymdrin â'ch Pwnc drwy'r Gymraeg	Semester 1 Or 2	10	
Spanish	Beginners/ Intermediate/ Advanced	Semester 1 Or 2	10 10	
French	Beginners/ Intermediate/ Advanced	Semester 1 Or 2	10 10	
German	Beginners/ Intermediate	Semester 1 Or 2	10 10	
Italian	Beginners/ Intermediate	Semester 1 Or 2	10 10	
Mandarin Chinese	Beginners	Semester 1 Or 2	10 10	
Japanese	Beginners	Semester 1 Or 2	10 10	
ZXX4007	Finishing and Publishing Academic Papers	2-day course In July	10	
XVE4008/09	PGCertHE (Please register your interest with this form. Further details will be sent out with a detailed application form)	Cam Un/Dau	30	

Enw

Rhif Adnabod: 500

Blwyddyn Astudio.....MPhil / PhD

Cyfeiriad e-bost.....

Ysgol

Goruchwyliwr

Ticiwch unrhyw fodiwlau y bwriedwch eu dilyn yn 2010/2011 a gofynnwch i'ch goruchwyliwr gadarnhau eu bod yn cytuno drwy lofnodi isod

A fydddech cystal â dychwelyd y ffurflen at Michele Underwood edsc04@bangor.ac.uk), Uned Datblygu Academaidd, Adeilad Deiniol gynted ag sy'n bosibl.
Cofiwch gadw copi ar gyfer eich cofnodion.

Llofnod y Myfyriwr:

.....

Dyddiad

Llofnod y Goruchwyliwr

.....

Dyddiad

ERDP – Training Needs Analysis

Researcher Development Framework – Training Needs Analysis					
			Competency level 1-5	Target level	Date to be achieved
Domain A: Knowledge & Intellectual Abilities	A1: Knowledge Base	Subject Knowledge			
		Research Methods- theoretical knowledge			
		Research methods- practical application			
		Information seeking			
		Information literacy & management			
		Languages			
		Academic Literacy and numeracy			
	A2:Cognitive abilities	Analysing			
		Synthesising			
		Critical Thinking			
		Evaluating			
		Problem Solving			
	A3: Creativity	Inquiring mind			
		Intellectual Insight			
		Innovation			
		Argument Construction			
		Intellectual Risk			
Evidence:					
Competency levels: 1= No experience in the skill 2= A little experience or competence in the skill 3= Some competence but below level required 4= Competent & confident, at level required 5= Expert- able to train, teach or coach research colleagues in this area					

ERDP – Training Needs Analysis

			Competency level 1-5	Target level	Date to be achieved
Domain B: Personal Effectiveness	B1: Personal Qualities	Enthusiasm			
		Perseverance			
		Integrity			
		Self Confidence			
		Self-reflection			
		Responsibility			
	B2: Self management	Preparation & prioritisation			
		Commitment to research			
		Time management			
		Responsiveness to change			
	B3: Professional & career development	Career management			
		Continuing professional development			
		Responsiveness to opportunities			
		Networking			
		Reputation & esteem			
Evidence:					
<p>Competency levels: 1= No experience in the skill 2= A little experience or competence in the skill 3= Some competence but below level required 4= Competent & confident, at level required 5= Expert- able to train, teach or coach research colleagues in this area</p>					

ERDP – Training Needs Analysis

			Competency level 1-5	Target level	Date to be achieved
Domain C: Research Governance & organisation	C1: Professional Conduct	Health & safety			
		Ethics, principals and sustainability			
		Legal requirements			
		IPR and copyright			
		Respect & confidentiality			
		Attribution and co-authorship			
	C2: Research Management	Research Strategy			
		Project planning & delivery			
		Risk management			
	C3: Finance, funding & resources	Income & funding generation			
		Financial Management			
		Infrastructure & resources			

Evidence:

Competency levels:

1= No experience in the skill 2= A little experience or competence in the skill 3= Some competence but below level required
 4= Competent & confident, at level required 5= Expert- able to train, teach or coach research colleagues in this area

ERDP – Training Needs Analysis

			Competency level 1-5	Target level	Date to be achieved
Domain D: Engagement, influence & impact	D1: Working with others	Collegiality			
		Team working			
		People management			
		Supervision			
		Mentoring			
		Influence & leadership			
		Collaboration			
		Equality & diversity			
	D2: Communication & dissemination	Communication methods			
		Communication media			
		Publication			
	D3: Engagement & impact	Teaching			
		Public engagement			
		Enterprise			
		Society & culture			
Global citizenship					

Evidence:

Competency levels:

1= No experience in the skill 2= A little experience or competence in the skill 3= Some competence but below level required
 4= Competent & confident, at level required 5= Expert- able to train, teach or coach research colleagues in this area