

BRITISH ASSOCIATION OF SPORT AND EXERCISE SCIENCES ACCREDITATION COMPETENCY PROFILE

(PEDAGOGY RELATED EVIDENCE)

Introduction

This document sets out the BASES **competencies** which are required for accreditation. These are the standards BASES has produced for the safe and effective practice of sport and exercise scientists. They are the minimum standards we consider necessary to protect members of the public.

You must meet these standards when you first become accredited. After that, every time you renew your accreditation you will be asked to sign a declaration that you continue to meet the standards of proficiency that apply to your practice within your domain of expertise.

Your domain of expertise is the area or areas of your profession in which you have the knowledge, skills and experience to practise lawfully, safely and effectively, in a way that meets the requisite standards and does not pose any danger to the public or to yourself. We recognise that an accredited member's domain of expertise may change over time and that the practice of experienced members often becomes more focused and specialised than that of newly accredited colleagues. This might be because of specialisation in a certain area or with a particular client group, or a movement in roles in management, education or research.

Progression within your particular domain of expertise may mean that you are unable to continue to demonstrate that you meet all of the BASES Accreditation standards. As long as you make sure that you are practising safely and effectively within your given domain of expertise and do not practise in the areas where you are not proficient to do so, this will not be a problem. If you want to move outside of your domain of expertise you should be certain that you are capable of working lawfully, safely and effectively. This means that you need to exercise personal judgement by undertaking any necessary training and experience.

Meeting the standards

It is important that those accredited by BASES meet our standards and are able to practise lawfully, safely and effectively. However, we don't dictate how you should meet our standards. There is normally more than one way in which each standard can be met and the way in which you meet our standards might change over time because of improvements in technology or changes in your practice. As an autonomous professional you need to make informed, reasoned decisions about your practice to ensure that you meet the standards that apply to you. This includes seeking advice and support from education providers, employers, colleagues and others to ensure that the wellbeing of service users is safeguarded at all times.

Service users

We recognise that accredited members work in a range of different settings, which include applied practice in sport and health, education, research and roles in industry. We recognise that different professions sometimes use different terms to refer to those who use or who are affected by their practice and that the use of terminology can be an emotive issue. We have tried to use a term in the generic standards which is as inclusive as possible. Throughout the generic standards we have used the term 'service users' to refer to anyone who uses or is affected by the work undertaken by accredited members. Who your service users are will depend on how and where you work. For example, if you work in applied practice, your service users might be your clients, or your staff if you manage a team. The term also includes other people who might be affected by your practice, such as carers and relatives.

1 – Scientific Knowledge

Be able to demonstrate a detailed scientific knowledge and understanding relevant to the domain of expertise

	AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED
1.1	Know and understand the key concepts of the bodies of knowledge which are relevant to their professional practice	PGCert. in Higher Education/Academic Practice. AHE Fellowship/Senior Fellowship.
1.2	Understand the structure and function of the human body relevant to their practice, together with knowledge of health, disease, disorder and dysfunction	Scholarship of Learning and Teaching (e.g. Pedagogy Conference attendance or
1.3	Understand and be able to apply the theoretical concepts underpinning sport and exercise science delivery within their domain of expertise	presentation; Institutional learning and teaching enhancement projec Research output related to learning and teaching; Action research in a speci aspect of learning and teaching; Research-Informed teaching).
1.4	Understand the theoretical basis of, and the variety of approaches to, assessment and intervention	aspest of learning and teasining, research informed teasining).
1.5	Understand how sport and physical activity affect and influence the structure and function of the human body	
Examples of how this could be achieved:	 Evidence of a BUES (or equivalent) sport and exercise science undergraduate degree Evidence of a BASES recognised postgraduate qualification in sport and exercise science 	ce

2 - Technical Skills

Be able to demonstrate full understanding and application of relevant scientific techniques

		AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED
2.1	•	Be able to gather appropriate information via undertaking or arranging investigations as appropriate	Collate, analyse and evaluate Higher Education data (e.g. module/programme evaluation, student performance, NSS, recruitment, retention).
2.2	•	Be able to select, undertake and record a thorough, sensitive and detailed assessment, using appropriate techniques and equipment	Identify areas for further investigation or improvement at a programme or departmental level.
2.3	•	Be able to analyse and critically evaluate the information collected	Development of new curriculum based on a particular need or issue.
2.4	•	Be able to demonstrate a level of skills in the use of information technology appropriate to their practice	Innovation and effectiveness as a teacher.
2.5	•	Be able to conduct appropriate diagnostic or monitoring procedures, treatment, therapy or other actions safely and skilfully relevant to the domain of expertise	
Examples of	•	Evidence of BASES endorsed / recognised undergraduate and postgraduate degrees	
how this could be achieved:	•	Certification from relevant recognised training courses	
bo domeved.	•	Case study/reflective accounts	
	•	Completion of laboratory manual or similar	
	•	Refereed publications	

3 – Application of Knowledge and Skills

Ability to demonstrate the application of knowledge and technical skills to the relevant delivery environment

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	AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED
3.1	 Be able to evaluate intervention plans using recognised outcome measures and revise the plans as necessary in conjunction with the service user 	Lead a learning and teaching enhancement project at subject, programme or department level.
3.2	Demonstrate how you scope and plan and manage projects	Development of new curriculum based on a particular need or issue.
3.3	 To be able to set goals and construct specific individual and group sport and exercise science development programmes 	Undertake pedagogic research within sport and exercise science.
3.4	 Know and be able to apply the key concepts which are relevant to safe and effective practice within their domain of expertise as a sport and exercise scientist 	presentation; Institutional learning and teaching enhancement projects; Research
3.5	Understand and be able to apply the theoretical concepts underpinning sport and exercise science delivery within their domain of expertise	output related to learning and teaching; Action research in a specific aspect of learning and teaching; Research-Informed teaching).
3.6	 Demonstrate how you use knowledge, experience, skills and broader scientific understanding to optimise the application of existing and emerging science and technology 	
Examples of how this could be achieved:	 Case study following BASES guidelines Reflective accounts Writing journal articles or patents 	Research plan, ethics submission Teaching plan, curriculum development

EXPERIENCE: The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competences set out below. 4 – Understanding and Use of Research Be able to demonstrate a training in research which enables the understanding and application of research findings AREA OF COMPETENCE INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS **DEMONSTRATED** 4.1 Scholarship of Learning and Teaching (e.g. Pedagogy Conference attendance or Demonstrate critical evaluation of relevant scientific information and concepts to propose solutions to problems presentation; Institutional learning and teaching enhancement projects; 4.2 To recognise the value of research to the critical evaluation of practice Research output related to learning and teaching; Action research in a specific aspect of learning and teaching; Research-Informed teaching). 4.3 Be able to engage in evidence-based practice, evaluate practice systematically and participate in audit processes Undertake pedagogic research within sport and exercise science. 4.4 Be aware of a range of research methodologies Use of pedagogic research to inform the design of curriculum or learning and teaching based interventions. 4.5 Be able to use appropriate statistical and other research skills to gather and interpret evidence in order to make reasoned judgements with respect to sport Evaluate impact/effectiveness of new curriculum or pedagogic intervention. and exercise science practice 4.6 Be aware of the principles and applications of scientific enquiry, including the evaluation of effectiveness of practice and the research process Examples of how Evidence of BASES endorsed / recognised undergraduate and Further research activity including published refereed papers/presentations at this could be postgraduate degree research studies/projects conferences or workshops achieved: Critique of published research papers Returned in the RAE 2008 Research proposal Case study and intervention Literature review Review how own research could impact on practice Postgraduate dissertation Use of online databases

5 – Self Evaluation and Professional Development

Ability to self-reflect, take responsibility for own actions, and to demonstrate that continuous professional development occurs

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	AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED
5.1	 Work autonomously and take responsibility for the work of self and others 	Reflection upon and transformation of teaching practices and learning and teaching strategies underpinning the curriculum.
5.2	Be able to adapt their practice as a result of new and emerging ideas and information within the area of sport and exercise science	Lead a subject group or programme team in relation to learning and teaching.
5.3	Be able to maintain an appropriate audit trail and work towards continual improvement	Scholarship of Learning and Teaching (e.g. Pedagogy Conference attendance or presentation; Institutional learning and teaching enhancement projects; Research output related to learning and teaching; Action research in a specific
5.4	Understand the value of reflection on practice and evidence of engagement in the process	aspect of learning and teaching; Research-Informed teaching).
5.5	Take responsibility for continuous improvement within a scientific or technical environment	Involvement in quality assurance and enhancement activities at programme, department or institutional level.
5.6	Understand the principles of quality control and quality assurance	
Examples of how this could be achieved:	 Documented evidence of attendance of the required 4 mandatory and 2 optional BASES SE workshops Documented evidence of all other courses run or attended Case examples showing how practice has been adapted Testimonials Video evidence Adherence to BASES Code of Conduct 	 Reflective accounts maintained over the 2 years of supervised experience Reflective accounts corresponding to own practice and case study meetings Career development plan Attendance at other workshops Evidence based literature review Peer review

6 – Communication

Ability to communicate orally and in writing to colleagues, peers and clients

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	AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED
6.1	 Demonstrate the ability to communicate effectively with specialist and non-specialist audiences 	Dissemination of pedagogic research, scholarship or practice internally and/or externally.
6.2	 Be able to select, move between and use appropriate forms of verbal and non-verbal communication with service users and others 	Lead a subject group or programme team in relation to learning and teaching.
6.3	 Understand the need to provide service users (or people acting on their behalf) with the information necessary to enable them to make informed decisions 	Involvement in processes and activities in relation to student voice (co-creation/evaluation) on programmes.
6.4	 Recognise the need to use interpersonal skills to encourage active participation of service users 	Innovation and effectiveness as a teacher
6.5	Be able to discuss and explain the rationale for the use of sport and exercise science interventions	
6.6	 Be aware of the characteristics and consequences of non-verbal communication and how this can be affected by culture, age, ethnicity, gender, religious beliefs, nationality, sexuality and socio-economic status 	
Examples of how this could be achieved:	 Documented evidence of attendance of the required 4 mandatory and 2 optional BASES SE workshops Report from supervisor Documented evidence of the presentation of information to different groups (peers, client groups etc) via different media (oral, written) Delivery of a workshop Video of delivery/communication Assessing learning styles Marketing materials 	Documented examples of written material such as client reports, scientific material Case examples where your communication skills have influenced the outcome Conferences, posters/presentations, scientific articles Lectures, curricula and lecture notes Evaluation forms Peer and client review Role play Ability to translate scientific detail to the end user

7 – Problem Solving and Impact

Ability to address problems in a scientific and evidence based manner which results in a positive and timely outcome

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	AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED
7.1	Be able to demonstrate a logical and systematic approach to problem solving	Lead a learning and teaching enhancement project at subject, programme or department level.
7.2	Exercise sound judgement and understand principles of uncertainty in complex and unpredictable situations.	Development of new curriculum based on a particular need or issue.
7.3	Be able to monitor and review the ongoing effectiveness of planned activity and modify it accordingly	Undertake pedagogic research within sport and exercise science.
7.4	Be able to initiate resolution of problems and be able to exercise persona initiative	Evaluate impact/effectiveness of new curriculum or pedagogic intervention.
7.5	Be able to apply problem solving and scientific reasoning to assessment findings to plan and prioritise appropriate expertise specific interventions	Scholarship of Learning and Teaching (e.g. Pedagogy Conference attendance or presentation; Institutional learning and teaching enhancement projects;
7.6	Recognise the value of case conferences and other methods of review	Research output related to learning and teaching; Action research in a specific aspect of learning and teaching; Research-Informed teaching).
7.7	Be able to make reasoned decisions to initiate, continue, modify or cease treatment or the use of techniques or procedures and record the decisions and reasoning appropriately	
Examples of how this could be achieved:	problems	 Refereed publications Presentations at conferences and workshops Formal evaluation of teaching

EXPERIENCE: The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competences set out below. 8 – Management of Self, Others and Practice Be able to demonstrate an understanding of management requirements and to mange self and others AREA OF COMPETENCE INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS **DEMONSTRATED** 8.1 Internal or External committee involvement related to learning and teaching (e.g. Demonstrate the achievement of desired outcomes with the effective management of resources and risks validation panels for SES programmes, BASES SIG, external examiner, quality assurance/enhancement/learning and teaching committee). Demonstrate a commitment to professional development through 8.2 continuing advancement of your own knowledge, understanding and competence Lead a subject group or programme team in relation to learning and teaching. 8.3 Be able to maintain records appropriately Specialist learning spaces development or management (laboratories, S&C 8.4 suites, practical sport areas, analysis suites). Be able to contribute effectively to work undertaken as part of a multidisciplinary team Development of new curriculum based on a particular need or issue. 8.5 Promote, implement and take responsibility for robust policies and protocols relating to health, safety and sustainability 8.6 Promote and ensure compliance with all relevant regulatory requirements and quality standards 8.7 Comply with and promote relevant codes of conduct and practice Examples of how Documented evidence of attendance of the required 4 mandatory and 2 Attendance at relevant workshops and training days this could be optional BASES SE workshops Involvement in initiatives promoting equality, diversity, and inclusivity achieved: Structured taught element of post graduate degree Documented situations which demonstrate appropriate understanding of Leading on projects abovementioned competencies Ethics applications Team boundaries Appropriate CPD activities undertaken and documented with reflections Risk assessment Storing and handling of data' to fit with data protection regulations.

	9 – Understanding of th	e Delivery Environment
	Be able to demonstrate a knowledge of and integ	gration into, the specific delivery environment
	AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED
9.1	 Oversee the implementation of solutions and demonstrate an understanding of potential and actual impacts of your work on your organisation, on the profession and on the wider community. 	Internal or External committee involvement related to learning and teaching (e.g validation panels for SES programmes, BASES SIG, external examiner, quality assurance/enhancement/learning and teaching committee).
9.2	 Demonstrate the ability to mediate, develop and maintain positive working relationships 	Lead a subject group or programme team in relation to learning and teaching.
9.3	 Understand the structure and function of relevant services in the UK and current developments within which they operate; and be able to respond accordingly 	Collate, analyse and evaluate Higher Education data (e.g. module/programm
9.4	 Recognise that relationships with service users should be based on mutual respect and trust, and be able to maintain high standards of case even in situations of personal incompatibility 	evaluation, student performance, NSS, recruitment, retention).
9.5	 Understand the requirement to adapt practice to meet the needs of different groups distinguished by, for example, physical, psychological, environmental, cultural or socio-economic factors 	
9.6	Understand the need to agree the goals, priorities and methods of the proposed intervention in partnership with the service user	
xamples of how this could be achieved:	 Feedback from clients Letter of support Voluntary work 	Case study which demonstrates understanding of and adaptation to the delivery environment Examples from own practice

10 – Professional Relationships and Behaviours

Be a	Be able to demonstrate adherence to the highest standard of ethical and professional behaviour and team work in working with colleagues and clients		
	AREA OF COMPETENCE	INDICATE SECTION(S) IN PORTFOLIO WHERE COMPETENCE IS DEMONSTRATED	
10.1	Be able to practice within the legal and ethical boundaries of their profession	Lead a subject group or programme team in relation to learning and teaching.	
10.2	Be able to practice in a non-discriminatory manner	AHE Fellowship/Senior Fellowship.	
10.3		Development of or involvement in processes for assessing risk and ethics in the context of learning and teaching activities and undergraduate/taught post-	
10.4	Understand the importance of and be able to obtain informed consent	graduate research.	
10.5	To be able to exercise a professional duty of care and to act in the best interests of service users at all times		
10.6	Demonstrate effective leadership through the ability to guide, influence, inspire and empathise with others		
10.7	 Be aware of applicable health and safety legislation, and any relevant safety policies and procedures in force in the workplace, such as incident reporting and be able to act in accordance with these 		
10.8	Know the limits of their practice and when to seek advice or refer to another professional		
Examples of how this could be achieved:	 Relevant taught elements of postgraduate degree Examples of forms and records kept 	 Successful ethics submission Case study examples of good practice with reflective accounts 	
acmeved:	 Attendance at appropriate training days Testimonials from service users 	Consent forms	



BASES Reference Request – *Mentor/Client – *please delete as appropriate

Name of Applicant for Whom the Reference is provided:		
Name of Referee:	Position of Referee:	
Please provide details of the capacity within which you know/work with the applicant. Please include a guide towards the quantity of work that you can vouch for, the specific roles that the applicant played during this time, your judgement on where you consider their area of expertise to be, and how they communicated with you:		
Please comment on the applicant's abi and exercise scientist in a manner whi	lity to operate autonomously as a sport ch is safe and fit to practice:	
Please comment on whether you support this application for accreditation as a BASES sport and exercise scientist:		
Please provide any further comments you BASES accreditation:	may have regarding this application for	
Signature of Referee:		

Date: