

Standards of proficiency mapping document

The BSc Healthcare Science (Physiological Science) programme has been developed to provide the knowledge, skills and experience that underpin the role and function that a Clinical Physiologist is expected to successfully perform at the end the programme. The programme combines and integrates both academic and work based learning and has a strong patient and clinical focus.

Good Scientific Practice and the Education and Training Standards of the Health and Care Professions Council (HCPC) is the basis for all Modernising Scientific Careers training curricula which contextualise the Standards of Proficiency set down by the HCPC

IWL denotes the Year 1 Introduction to Work Based Learning module

ICVS denotes the Year 1 Introduction to Cardiovascular Sciences module

IRSS denotes the year 1 Introduction to Respiratory and Sleep Sciences module

ECG denotes the year 2/3 Cardiovascular Sciences: Electrocardiography module

RABP denotes the year 2/3 Cardiovascular Sciences: Resting and Ambulatory BP Measurement module

AMBECCG denotes the year 2/3 Cardiovascular Sciences: Ambulatory ECG Monitoring module

PECG denotes the year 2/3 Cardiovascular Sciences: Provocative Electrocardiography module

PAC denotes the year 2/3 Cardiovascular Sciences: Pacing & Diagnostic Cardiac Catheterisation module

SSLV denotes the year 2/3 Respiratory/Sleep Sciences: Spirometry Static Lung Volumes and Bronchodilator Response module

GTOS denotes the year 2/3 Respiratory/Sleep Sciences: Measurement of Gas Transfer and Oxygen Saturation,

SLEEP denotes the year 2/3 Respiratory/Sleep Sciences: Introduction to the Assessment of Disorders of Sleep modules

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
Expectations of a registrant	
1a: Professional autonomy and accountability. Registrant Clinical Physiologists must:	
1a.1 be able to practise within the legal and ethical boundaries of their profession	
<ul style="list-style-type: none"> understand the need to act in the best interests of service users at all times 	BIOM 1001, LO 2, 4 & 5 BIOM 2001, LO 1 & 2 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and work based assessments captured in the PTP Learning Guide. IWL LO 1 ICVS LO1 LO2 LO3 IRSS LO1 LO2 LO3
<ul style="list-style-type: none"> understand what is required of them by the Registration Council for Clinical Physiologists 	BIOM 1001, LO 3, LO4 , LO5, LO 6 BIOM 3002, LO1 LO2 LO3 BIOM2012 LO1 LO2 BIOM2016 LO1 LO2 ICVS, LO 1 LO2 IRSS LO1

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the need to respect, and so far as possible uphold, the rights, dignity, values and autonomy of every service user including their role in the diagnostic and therapeutic process and in maintaining health and wellbeing 	BIOM 1001, LO 2, 4 & 5 BIOM 2001, LO 1 & 2 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ICVS LO1 LO2 LO3 IRSS LO1 LO2 LO3
<ul style="list-style-type: none"> be aware of current UK legislation applicable to the work of their profession 	BIOM 1001, LO 3 BIOM 2001, LO 1 IWL LO 1 ICVS LO1 IRSS LO1 ECG LO1, LO3 RABP LO1, LO3 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<p>1a.2 be able to practise in a non-discriminatory manner</p>	<p>BIOM 1001, LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>IWL LO 1 ICVS LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO4 SLEEP LO3</p>
<p>1a.3 understand the importance of and be able to maintain confidentiality</p>	<p>BIOM 1001, LO 3, 4 & 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning</p> <p>IWL LO 1 ICVS LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO4 SLEEP LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
1a.4 understand the importance of and be able to obtain informed consent	BIOM 1001, LO 3, 4 & 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ICVS LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO4 SLEEP LO3
1a.5 be able to exercise professional duty of care	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM3014 LO4, BIOM3015 LO4, BIOM3016 LO4 BIOM3017 LO4 IWL LO 1 ICVS LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO4 SLEEP LO3 all link to Good Practice

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
1a.6 be able to practise as an autonomous professional, exercising their own professional judgement	
<ul style="list-style-type: none"> be able to assess a situation, determine the nature and severity of the problem and call upon the required knowledge and experience to deal with the problem 	<p>BIOM 3003 Research Project in Healthcare Science, , and also inherent in all practical work (see module specifications).</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM2012, BIOM2016, BIOM 2017, BIOM3014 LO4, BIOM3015 LO4, BIOM3016 LO4 BIOM3017 LO4</p> <p>IWL LO 1 ICVS LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO2 SLEEP LO1 LO2</p> <p>all link to Good Practice</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to initiate resolution of problems and be able to exercise personal initiative 	<p>BIOM 3003 Research Project in Healthcare Science, and also inherent in all practical work (see module specifications).</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>IWL LO 1</p> <p>ICVS LO3 IRSS LO1, LO3</p> <p>ECG LO1, RABP LO1</p> <p>PECG LO1 LO3</p> <p>PAC LO1 LO2</p> <p>SSLV LO1 LO2 LO3 LO4</p> <p>GTOS LO1 LO2</p> <p>SLEEP LO1 LO2</p> <p>all link to Good Practice</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> know the limits of their practice and when to seek advice or refer to another professional 	<p>BIOM 3003 Research Project in Healthcare Science, and also inherent in all practical work (see module specifications).</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM2012, BIOM2016, BIOM 2017, BIOM3014 LO4, BIOM3015 LO4, BIOM3016 LO4 BIOM3017 LO4</p> <p>IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> recognise that they are personally responsible for and must be able to justify their decisions 	<p>BIOM 3003 Research Project in Healthcare Science, and also inherent in all practical work (see module specifications).</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and Good Scientific Practice</p> <p>BIOM2012, BIOM2016, BIOM 2017, BIOM3014 LO4, BIOM3015 LO4, BIOM3016 LO4 BIOM3017 LO4</p> <p>IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
1a.7 recognise the need for effective self-management of workload and resources and be able to practise accordingly	BIOM 3003 Research Project in Healthcare Science BIOM 3001, LO 1 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
1a.8 understand the obligation to maintain fitness to practice	
<ul style="list-style-type: none"> understand the need to practise safely and effectively within their scope of practice 	BIOM 1001, LO 2, 3 & 5 BIOM 2001, LO 1 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the need to maintain high standards of personal conduct 	BIOM 1001, LO 2, 3 & 5 BIOM 2001, LO 1 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and Good Scientific Practice IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the importance of maintaining their own health 	BIOM 1001, LO 2, 3 & 5 BIOM 2001, LO 1 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and Good Scientific Practice IWL LO 1 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand both the need to keep skills and knowledge up to date and the importance of career-long learning 	BIOM 1001, LO 2, 3 & 5 BIOM 2001, LO 2, 3 BIOM 3001, LO 1, 2 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
1b: Professional relationships. Registrant Clinical Physiologists must:	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<p>1b.1 be able to work, where appropriate, in partnership with other professionals, support staff, service users, and their relatives and carers</p>	<p>BIOM 1010, LO 3, 4 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3</p>
<ul style="list-style-type: none"> understand the need to build and sustain professional relationships as both an independent practitioner and collaboratively as a member of a team 	<p>BIOM 2003, LO 1 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the need to engage service users and carers in planning and evaluating diagnostics, treatments and interventions to meet their needs and goals 	BIOM 1001, LO 4 BIOM 2001, LO 2 BIOM 2003, LO 2 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice IWL LO 1 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
<ul style="list-style-type: none"> be able to make appropriate referrals 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice IWL LO 1 ECG LO1 LO2, RABP LO1 LO2, AMBECG LO1 LO2 PECG LO1 PAC LO1 SSLV LO1 LO2 LO3 SLEEP LO1 LO2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to work flexibly within their scope of practice and the changing role of health care science 	BIOM 1010, LO 1 – 4 BIOM 2003, LO 2 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ECG LO3, RABP LO3, AMBECG LO3 PEGC LO3 PAC LO3 SSLV LO5 SLEEP LO3
1b.2 be able to contribute effectively to work undertaken as part of a multi-disciplinary team	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning ECG LO3, RABP LO3, AMBECG LO3 PEGC LO3 PAC LO3 SSLV LO5 SLEEP LO3
<ul style="list-style-type: none"> be able to respond to enquiries regarding the service they provide when dealing with clinical and non-clinical colleagues 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning ECG LO3, RABP LO3, AMBECG LO3 PEGC LO3 PAC LO3 SSLV LO5 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
1b.3 be able to demonstrate effective and appropriate skills in communicating information, advice, instruction and professional opinion to colleagues, service users, their relatives and carers	
<ul style="list-style-type: none"> be able to communicate in English to the standard equivalent to level 7 of the International English Language Testing System, with no element below 6.5 	See Entry requirements IWL LO 1 ECG LO3, RABP LO3, AMBECG LO3 PECG LO3 PAC LO3 SSLV LO5 SLEEP LO3
<ul style="list-style-type: none"> understand how communication skills affect the assessment of service users and how the means of communication should be modified to address and take account of factors such as age, physical ability and learning ability 	BIOM 1001, LO 4, 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ECG LO3, RABP LO3, AMBECG LO3 PECG LO3 PAC LO1 LO2 LO3 SSLV LO5 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to select, move between and use appropriate forms of verbal and non-verbal communication with service users and others 	BIOM 1001, LO 4, 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO5 SLEEP LO3
<ul style="list-style-type: none"> be aware of the characteristics and consequences of non-verbal communication and how this can be affected by culture, age, ethnicity, gender, religious beliefs and socio-economic status 	BIOM 1001, LO 4, 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO5 SLEEP LO3
<ul style="list-style-type: none"> understand the need to provide service users (or people acting on their behalf) with the information necessary to enable them to make informed decisions 	BIOM 1001, LO 4, 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO5 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the need to use an appropriate interpreter to assist service users whose first language is not English, wherever possible 	BIOM 1001, LO 4, 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO5 SLEEP LO3
<ul style="list-style-type: none"> recognise that relationships with service users should be based on mutual respect and trust, and be able to maintain high standards of care even in situations of personal incompatibility 	BIOM 1001, LO 4, 5 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning
<ul style="list-style-type: none"> be able to provide guidance, and to explain the nature, purpose and techniques of rehabilitation to patients, clients and carers, understanding the need to establish and sustain a therapeutic relationship 	BIOM1001 BIOM3014 LO4 BIOM3015 LO4 BIOM3017 LO2 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO1 LO2 SLEEP LO1 LO2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to evaluate diagnostics, treatments and interventions to meet clinical needs 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning BIOM 2012 BIOM 2016 BIOM 2017 BIOM3014 LO4 BIOM3015 LO4 BIOM3017 LO2 ECG LO1 RABP LO2 LO3 AMBECG LO2 PAC LO1 LO2 SSLV LO2 LO3 LO4 GTOS LO1 SLEEP LO1
<ul style="list-style-type: none"> be able to interpret and act upon information from other health care professionals 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning
<ul style="list-style-type: none"> be aware of the general working of health care services 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning BIOM1011 LO4 ECG LO3, RABP LO3, AMBECG LO3 PEGG LO3 PAC LO3 SSLV LO5 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to summarise and present scientific ideas in an appropriate form to patients, clients, carers and members of the public 	<p>Inherent in all practical work, specifically methods & technique modules BIOM1001, BIOM1012, BIOM1011, BIOM2001, BIOM 3001, BIOM2014, BIOM2015, BIOM2016, BIOM3015, BIOM3017, Research Project in Healthcare Science BIOM3003</p> <p>IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO1 LO2 SLEEP LO1 LO2</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to advise other health care professionals about the relevance and application of diagnostic, therapeutic and other procedures 	<p>Inherent in all practical work, specifically methods & technique modules BIOM1001, BIOM1012, BIOM1011, BIOM2001, BIOM3001, BIOM2012, BIOM2016, BIOM2017, BIOM3016, BIOM3014, BIOM3015, BIOM3017, Research Project in Healthcare Science BIOM3003</p> <p>BIOM1001 BIOM3014 LO4 BIOM3015 LO4 BIOM3017 LO2</p> <p>BIOM1001, 2004 and 3002 Workplace Training modules incorporate placement learning</p> <p>IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO1 LO2 SLEEP LO1 LO2</p>
<ul style="list-style-type: none"> understand the psychology of illness, anxiety and uncertainty and the likely behaviour of patients, clients, undergoing diagnostic and therapeutic procedures, as well as that of their families and carers 	<p>BIOM1001 BIOM3014 LO4 BIOM3015 LO4 BIOM3017 LO2</p> <p>BIOM1001, 2004 and 3002 Workplace Training modules incorporate placement learning</p> <p>IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO1 LO2 SLEEP LO1 LO2</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
1b.4 understand the need for effective communication throughout the care of the service user	
<ul style="list-style-type: none"> understand the need for effective communication throughout the care of the service user 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> recognise the need to use interpersonal skills to encourage the active participation of service users 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM2016, BIOM 2017, BIOM 3016, BIOM3017 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> enable patients, clients and users to understand sensitive, scientific and technological information, in order to allow them to participate in their care 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to adopt a patient-centred approach and establish a rapport in order to motivate and involve the patients, client & users in their care 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the value, when working with and for disabled people, of the concept of empowerment, with the aim of enhancing access and opportunities for all 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
The skills required for the application of practice	
2a: Identification and assessment of health and social care needs. Registrant Clinical Physiologists must:	
2a.1 be able to gather appropriate information	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the need to take account of psychological, social, cultural, and other factors when collecting case histories and other appropriate information 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to identify when specialist input is needed to safeguard vulnerable patients, clients 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> • be able to utilise clinical information to adapt the planned procedure 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 BIOM3014 LO3 LO4, BIOM3015 LO2 LO4, BIOM 3016 LO 4, BIOM3017 LO4 IWL LO 1 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to use observation to gather information about the communication and functional abilities of patients 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 BIOM3014 LO3 LO4, BIOM3015 LO2 LO4, BIOM 3016 LO 4, BIOM3017 LO4 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
2a.2 be able to select and use appropriate assessment techniques	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to undertake and record a thorough, sensitive and detailed assessment, using appropriate techniques and equipment 	<p>Inherent in all practical work plus:- BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning practise and allow students to evidence proficiency in clinical practice</p> <p>IWL LO 1 ICVS LO1 LO2 LO3 IRS LO1 LO2 LO3 ECG LO1-LO3, RABP LO1-LO3 PEGG LO1-LO3 PAC LO1-LO3 SSLV LO1-LO5 GTOS LO1-LO4 SLEEP LO1- LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to listen to a patient, client's story in order to plan for the future 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 BIOM3014 LO3 LO4, BIOM3015 LO2 LO4, BIOM 3016 LO 4, BIOM3017 LO4 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able, through interview and individual discussion, to understand the values, beliefs and interests of patients, clients and their families and carers 	BIOM 1001 LO 5 BIOM 2001 LO 2 BIOM 3001 LO 3 BIOM 1001, 2004 and 3002 Workplace Training modules LO 3 BIOM3014 LO3 LO4, BIOM3015 LO2 LO4, BIOM 3016 LO 4, BIOM3017 LO4 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
<ul style="list-style-type: none"> be able to identify the clinical decision which the procedure will inform 	BIOM2012 LO1- 3 BIOM2016 LO1-3, BIOM2017 LO1-3 BIOM3014 LO1- LO4, BIOM3015 LO1- LO4, BIOM 3016 LO1-LO 4, BIOM3017 LO1-LO4 ECG LO1-2, RABP LO1-2 PECG LO1 PAC LO1-2 SSLV LO1-4 GTOS LO1-3 SLEEP LO1-2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to respond to and deal with clinical situations requiring immediate attention 	BIOM2012 LO1- 3 BIOM2016 LO1-3, BIOM2017 LO1-3 BIOM3014 LO1- LO4, BIOM3015 LO1- LO4, BIOM 3016 LO1-LO 4, BIOM3017 LO1-LO4 ECG LO1-2, RABP LO1-2 PEGG LO1-2 PAC LO1-2 SSLV LO1-4 GTOS LO1-3 SLEEP LO1-2
2a.3 be able to undertake or arrange clinical investigations as appropriate	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning practise and allow students to evidence proficiency in clinical practice BIOM2012 LO1- 3 BIOM2016 LO1-3, BIOM2017 LO1-3 BIOM3014 LO1- LO4, BIOM3015 LO1- LO4, BIOM 3016 LO1-LO 4, BIOM3017 LO1-LO4 IWT LO 1
<ul style="list-style-type: none"> Cardiac Physiology: Within current guidelines, to prepare, perform and manage safely: <ul style="list-style-type: none"> 12 lead resting ECG 	BIOM1011 LO1-4, BIOM2012 LO1-3 BIOM2015 LO1 ICVS LO1 ECG LO1-3
<ul style="list-style-type: none"> ambulatory monitoring (ECG and BP) 	BIOM1011 LO1-4, BIOM2012 LO1-3 ECG LO1-3 RABP LO1-3 AMBECG LO1-LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> exercise tolerance testing 	BIOM2012 LO1-3 PECG LO1-2
<ul style="list-style-type: none"> cardiac catheterisation 	BIOM3015 LO1-4 PAC LO1 LO3
<ul style="list-style-type: none"> pacemaker implant & follow up 	BIOM3015 LO1-4 PAC LO2 LO3
<ul style="list-style-type: none"> Respiratory Physiology: Within current guidelines, to prepare, perform and manage safely: measurements of dynamic and static lung volumes 	BIOM1012 LO1-4 BIOM2016 LO 1-3, BIOM3016 LO2 LO4 IRS LO1 SSLV LO1, LO2 LO4
<ul style="list-style-type: none"> gaseous exchange 	BIOM1012 LO1-4 BIOM2017 LO 1-3, BIOM3016 LO1 LO3 GTOS LO1-3
<ul style="list-style-type: none"> blood gas status 	BIOM1012 LO1-4 BIOM2017 LO 1-3, BIOM3016 LO1 LO3 GTOS LO1-3
<ul style="list-style-type: none"> exercise Capacity 	BIOM2016 LO 1-2 SSLV LO1, LO2
<ul style="list-style-type: none"> bronchodilator and steroid response 	BIOM2016 LO1-3, BIOM3016 LO2, LO4 SSLV LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> • Sleep Physiology: Within current guidelines, to prepare, perform and manage safely: Overnight Pulse Oximetry 	BIOM2017 LO1-3, BIOM3017 SLEEP LO1
<ul style="list-style-type: none"> • polygraphy (without EEG) 	BIOM3017 LO1-4 SLEEP LO1-2
<ul style="list-style-type: none"> • mask Fitting 	BIOM3017 LO1-4 SLEEP LO1-2
<ul style="list-style-type: none"> • CPAP Compliance 	BIOM3017 LO1-4 SLEEP LO1-2
2a.4 be able to analyse and critically evaluate the information collected	
<ul style="list-style-type: none"> • be able to interpret and use the data/information to provide a report in some or all of the following: 	
<ul style="list-style-type: none"> • Cardiac Physiology: • 12 lead resting ECG 	BIOM1011 LO1-4, BIOM2012 LO1-3 BIOM2015 LO1 ICVS LO1 ECG LO1-3
<ul style="list-style-type: none"> • ambulatory monitoring (ECG and BP) 	BIOM1011 LO1-4, BIOM2012 LO1-3 ECG LO1-3 RABP LO1-3 AMBECG LO1-LO3
<ul style="list-style-type: none"> • exercise tolerance testing 	BIOM2012 LO1-3 PECG LO1-2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> pacemaker implant & follow up 	BIOM3015 LO1-4 PAC LO2 LO3
<ul style="list-style-type: none"> Tilt Table studies 	BIOM2012 LO1-3, BIOM3015 LO1 LO2 LO4
Respiratory Physiology <ul style="list-style-type: none"> measurements of dynamic and static lung volumes 	BIOM1012 LO1-4 BIOM2016 LO 1-3, BIOM3016 LO2 LO4 IRS LO1 SSLV LO1, LO2 LO4
<ul style="list-style-type: none"> gaseous exchange 	BIOM1012 LO1-4 BIOM2017 LO 1-3, BIOM3016 LO1 LO3 GTOS LO1-3
<ul style="list-style-type: none"> blood gas status 	BIOM1012 LO1-4 BIOM2017 LO 1-3, BIOM3016 LO1 LO3 GTOS LO1-3
<ul style="list-style-type: none"> exercise Capacity 	BIOM2016 LO 1-2 SSLV LO1, LO2
<ul style="list-style-type: none"> bronchodilator and steroid response 	BIOM2016 LO1-3, BIOM3016 LO2, LO4 SSLV LO3
<ul style="list-style-type: none"> Sleep Physiology: <ul style="list-style-type: none"> Overnight Pulse Oximetry 	BIOM2017 LO1-3, BIOM3017 SLEEP LO1
<ul style="list-style-type: none"> polygraphy (without EEG) 	BIOM3017 LO1-4 SLEEP LO1-2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> mask Fitting 	BIOM3017 LO1-4 SLEEP LO1-2
<ul style="list-style-type: none"> CPAP Compliance 	BIOM3017 LO1-4 SLEEP LO1-2
2b: Registrant Clinical Physiologists must:	
2b.1 be able to use research, reasoning and problem solving skills to determine appropriate actions	
<ul style="list-style-type: none"> recognise the value of research to the systematic evaluation of practice 	BIOM 2001 LO 3, 4 BIOM 3001 LO 2 BIOM 3003 LO 2, 3, 4 BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence Good Scientific Practice ECG LO3, RABP LO3 PECG LO3, PAC LO3 SLEEP LO3 GTOS LO3 SSLV LO5

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to engage in evidence-based practice, evaluate practice systematically, and participate in audit procedures 	BIOM 2001 LO 3, 4 BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM 3003 LO 1, 2, 3 ECG LO3, RABP LO3 PECG LO3, PAC LO3 SLEEP LO3 GTOS LO3 SSLV LO5
<ul style="list-style-type: none"> be aware of methods commonly used in health and social care research 	BIOM 1001 LO 6 BIOM 2001 LO 5 BIOM 3003 LO 1, 2, 3 BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence Good Scientific Practice
<ul style="list-style-type: none"> be able to demonstrate a logical and systematic approach to problem solving 	BIOM 2001 LO 5 BIOM 3003 LO 2, 3, 4 ECG LO3, RABP LO3 PECG LO3, PAC LO3 SLEEP LO3 GTOS LO3 SSLV LO5

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to evaluate research and other evidence to inform their own practice 	BIOM 2001 LO 2, 3 BIOM 3001 LO 2 BIOM 3003 LO 1, 2, 3 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence Good Scientific Practice BIOM2014 LO3 BIOM3014 LO4 BIOM3017 LO2 ECG LO3, RABP LO3 PECG LO3, PAC LO3 SLEEP LO3 GTOS LO3 SSLV LO5
<ul style="list-style-type: none"> be able to develop and critically appraise scientific and clinical literature as well as other sources of information 	BIOM1001 LO6 BIOM 2001 LO 2, 3 BIOM 3001 LO 2 BIOM 3003 LO 1, 2, 3 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence Good Scientific Practice BIOM2014 LO3 BIOM3014 LO4 BIOM3017 LO2 ECG LO3, RABP LO3 PECG LO3, PAC LO3 SLEEP LO3 GTOS LO3 SSLV LO5

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to develop the aims, objectives, and experimental protocol associated with a project 	BIOM 3003 LO 1, 2, 3 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence Good Scientific Practice
<ul style="list-style-type: none"> be able to undertake experimental work and interpret results and present results 	Inherent in all practical work and the research project module, BIOM 3003 LO1-4 BIOM1001, BIOM 1012, BIOM 2014, BIOM 2015, BIOM 3015 BIOM 3017 BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice
<ul style="list-style-type: none"> 2b.2 be able to draw on appropriate knowledge and skills in order to make professional judgements 	
<ul style="list-style-type: none"> be able to change their practice as needed to take account of new developments 	BIOM 2001, LO 2, 3 BIOM 3001, LO 1, 2 BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice ECG LO3, RABP LO3 PECG LO3, PAC LO3 SLEEP LO3 GTOS LO3 SSLV LO5

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to demonstrate a level of skill in the use of information technology appropriate to their practice 	BIOM 1001 LO 1 BIOM 3003 LO 1 - 4 BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice ECG LO3, RABP LO3 PECG LO3, PAC LO3 SLEEP LO3 GTOS LO3 SSLV LO5
<ul style="list-style-type: none"> be able to manage complex and unpredictable situations, including the ability to adapt planned procedures, interventions or treatments as emerging results may require 	BIOM 3003 Research Project in Healthcare Science, , and also inherent in all practical work (see module specifications). BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM2012, BIOM2016, BIOM 2017, BIOM3014 LO4, BIOM3015 LO4, BIOM3016 LO4 BIOM3017 LO4 IWL LO 1 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO2 SLEEP LO1 LO2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to manage adverse and critical incidents 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM2012, BIOM2016, BIOM 2017, BIOM3014 LO4, BIOM3015 LO4, BIOM3016 LO4 BIOM3017 LO4 PECG LO1 LO2 LO3 PAC LO1 LO2 LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO2 SLEEP LO1 LO2
<ul style="list-style-type: none"> be able to prioritise workload and use of resources 	BIOM 3003 Research Project in Healthcare Science BIOM 3001, LO 1 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
<ul style="list-style-type: none"> 2b.3 be able to formulate specific and appropriate management plans including the setting of timescales 	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> 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 	BIOM 1001 LO 3 BIOM 2001 LO 2 BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice IWL LO 1 ICVS LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO5 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to identify the cause of procedural anomalies and implement remedies 	<p>BIOM 2001 LO 1 Inherent in BIOM 3003, Research Project in Healthcare Science BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM2012, BIOM2016, BIOM 2017, BIOM3014 LO1-4, BIOM3015 LO1-4, BIOM3016 LO1-4 BIOM3017 LO1-4</p> <p>ICVS LO1 LO2 LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO5 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3</p>
<ul style="list-style-type: none"> 2b.4 be able to conduct appropriate diagnostic or monitoring procedures, treatment, therapy or other actions safely and skilfully 	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the need to maintain the safety of both service users and those involved in their care 	BIOM 1001, LO 2, 3 & 5 BIOM 2001, LO 1 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning BIOM1011 LO2 BIOM1012 LO4 BIOM2011 LO1 BIOM2012 LO1 BIOM2016 LO1 BIOM2017 LO1 BIOM3017 LO3 IWL LO1, ICVS LO1 IRSS LO1 ECG LO3, RABP LO3 PEGG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to perform a range of scientific diagnostic and/or therapeutic procedures appropriate to their discipline with accuracy and precision 	<p>Inherent in all modules, specifically BIOM1011, BIOM1012, BIOM2011, BIOM2012, BIOM2015, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016 BIOM3017 & BIOM 3003, Research Project in Healthcare Science</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>ICVS LO1 LO2 LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1-LO5 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to commission, quality assure, field test specialist equipment for diagnostic and therapeutic procedures 	<p>Inherent in all modules, specifically BIOM1011, BIOM1012, BIOM2011, BIOM2012, BIOM2015, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016 BIOM3017 & BIOM 3003, Research Project in Healthcare Science</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>ICVS LO1 LO2 LO3 IRSS LO1, LO3 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1-LO5 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to problem solve during procedures related to equipment and/or clinical application 	<p>Inherent in all modules, specifically BIOM1011, BIOM1012, BIOM2011, BIOM2012, BIOM2015, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016 BIOM3017 & BIOM 3003, Research Project in Healthcare Science</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>ICVS LO1 LO2 IRSS LO1, LO2 ECG LO1, RABP LO1 PECG LO1 LO3 PAC LO1 LO2 LO3 SSLV LO1-LO5 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3</p>
<ul style="list-style-type: none"> 2b.5 be able to maintain records appropriately 	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<p>be able to keep accurate, legible records and recognise the need to handle these records and all other information in accordance with applicable legislation, protocols and guidelines</p>	<p>Inherent in all modules containing practical reports / workbooks as assessments including BIOM 1004, BIOM1012 and the methods & technique modules BIOM 2011, BIOM2012, BIOM2015, BIOM2016, BIOM2017 plus BIOM 3003, Research Project in Healthcare Science</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and Good Scientific Practice</p>
<ul style="list-style-type: none"> understand the need to use only accepted terminology in making records 	<p>BIOM 3003, LO 3, 4</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and Good Scientific Practice</p> <p>ICVS LO3 IRS LO3</p> <p>ECG LO3, RABP LO3</p> <p>PECG LO3</p> <p>PAC LO3</p> <p>SSLV LO5</p> <p>GTOS LO4</p> <p>SLEEP LO3</p>
<p>2c: Critical evaluation of the impact of, or response to, the registrant's actions</p> <ul style="list-style-type: none"> Registrant Clinical Physiologists must: 	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
2c.1 be able to monitor and review the ongoing effectiveness of planned activity and modify it accordingly	
<ul style="list-style-type: none"> be able to gather information, including qualitative and quantitative data, that helps to evaluate the responses of service users to their care 	BIOM 2001, LO 2 – 5 BIOM2001 LO3-LO5, BIOM3001 LO2 BIOM 3003, Research Project in Healthcare Science BIOM 1001, BIOM 2004 and BIOM3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice IWL LO 1 ECG LO1 PAC LO1 LO2 LO3 SSLV LO1 LO2 SLEEP LO1 LO2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to evaluate management plans against treatment milestones, using recognised health outcome measures, and revise the plans as necessary in conjunction with the patient, client or user. 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM2012, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016, BIOM3017 IWL LO 1 ICVS LO1 LO2 LO3 IRS LO1 LO2 LO3 ECG LO1-LO3, RABP LO1-LO3 PEGG LO1-LO3 PAC LO1-LO3 SSLV LO1-LO5 GTOS LO1-LO4 SLEEP LO1- LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> recognise the need to monitor and evaluate the quality of practice and the value of contributing to the generation of data for quality assurance and improvement programmes 	<p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM1011, BIOM1012, BIOM2012, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016, BIOM3017</p> <p>BIOM3001 LO1-LO2</p> <p>IWL LO 1</p> <p>ICVS LO3 IRS LO3</p> <p>ECG LO3, RABP LO3</p> <p>PECGLO3</p> <p>PAC LO3</p> <p>SSLV LO5</p> <p>GTOS LO4</p> <p>SLEEP LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> 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 	<p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM2012, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016, BIOM3017</p> <p>IWL LO 1</p> <p>ICVS LO1 LO2 LO3 IRS LO1 LO2 LO3</p> <p>ECG LO1-LO3, RABP LO1-LO3</p> <p>PECG LO1-LO3</p> <p>PAC LO1-LO3</p> <p>SSLV LO1-LO5</p> <p>GTOS LO1-LO4</p> <p>SLEEP LO1- LO3</p>
<ul style="list-style-type: none"> understand that outcomes may not always conform to expectations, but may still meet the need of patients, client or users 	<p>BIOM 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM2012, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016, BIOM3017</p> <p>ECG LO3, RABP LO3</p> <p>PECGLO3</p> <p>PAC LO3</p> <p>SSLV LO5</p> <p>GTOS LO4</p> <p>SLEEP LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to authorise the withdrawal of medication, prior to investigation, within the limits of their practice 	BIOM 3002 Workplace Training modules Specialist cardiac and respiratory modules BIOM3014, BIOM3015, BIOM3016, BIOM3017 PECGLO1 LO3 PAC LO1-3 SSLV LO1-5 GTOS LO1-4 SLEEP LO1-3
<ul style="list-style-type: none"> give medication in line with local protocols, within the limits of their practice 	BIOM 3002 Workplace Training modules Specialist cardiac and respiratory modules BIOM3014, BIOM3015, BIOM3016, BIOM3017 PECGLO1 LO3 PAC LO1-3 SSLV LO1-5 GTOS LO1-4 SLEEP LO1-3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand and take personal responsibility for clinical decisions taken on the basis of results reported 	<p>BIOM 3003 Research Project in Healthcare Science, and also inherent in all practical work (see module specifications).</p> <p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM2012, BIOM2016, BIOM 2017, BIOM3014 LO4, BIOM3015 LO4, BIOM3016 LO4 BIOM3017 LO4</p> <p>IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO1 LO2 LO3 LO4 GTOS LO1 LO2 LO3 LO4 SLEEP LO1 LO2 LO3</p>
<ul style="list-style-type: none"> 2c.2 be able to audit, reflect on and review practice 	
<ul style="list-style-type: none"> understand the principles of quality control and quality assurance 	<p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM2001 LO1-2 BIOM3001 LO1</p> <p>BIOM 3003 Research Project in Healthcare Science</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be aware of the role of audit and review in quality management, including quality control, quality assurance and the use of appropriate outcome measures 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM2001 LO1-2 BIOM3001 LO1 BIOM 3003 Research Project in Healthcare Science
<ul style="list-style-type: none"> be able to maintain an effective audit trail and work towards continual improvement 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM2001 LO1-2 BIOM3001 LO1 BIOM 3003 Research Project in Healthcare Science
<ul style="list-style-type: none"> participate in quality assurance programmes, where appropriate 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice BIOM2001 LO1-2 BIOM3001 LO1 BIOM 3003 Research Project in Healthcare Science

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the value of reflection on clinical practice and the need to record the outcome of such reflection 	<p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM2001 LO1-2 BIOM3001 LO1 BIOM2015 IWL LO 1 ICVS LO3 IRS LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3</p>
<ul style="list-style-type: none"> recognise the value of case conferences and other methods of review 	<p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM1011, BIOM1012, BIOM2012, BIOM2016, BIOM2017, BIOM3014, BIOM3015, BIOM3016, BIOM3017</p> <p>PECG LO1-3 PAC LO1-3 SSLV LO1-5 GTOS LO1-4 SLEEP LO1-3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be aware of new and emerging scientific advances and developments 	BIOM 2001, LO 2, 3, 4 BIOM 3001, LO 1, 2 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning BIOM3003 LO1-LO3 ECG LO3, RABP LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
<ul style="list-style-type: none"> Knowledge, understanding and skills 	
3a: Knowledge, understanding and skills Registrant Clinical Physiologists must:	
3a.1 know and understand the key concepts of the bodies of knowledge which are relevant to their profession-specific practice	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the structure and function of the human body, relevant to their practice, together with a knowledge of health, disease, disorder and dysfunction 	BIOM 1001, LO 1, 3 BIOM 1004, LO 1, 3, 4, 5 BIOM 1012 LO1 BIOM 1011 LO1 BIOM 2014 LO1 LO2 BIOM 3014 LO1 BIOM3016 LO1 BIOM3017 LO1
<ul style="list-style-type: none"> be aware of the principles and applications of scientific enquiry, including the evaluation of treatment efficacy and the research process 	BIOM 1001, LO 1 BIOM 2001, LO 1, 3, 4, 5; BIOM 3001, LO 2; BIOM 3003, LO 1 – 4
<ul style="list-style-type: none"> recognise the role of other professions in health and social care 	BIOM1001 LO3, LO4 LO5 BIOM 2001, LO 2, LO4 BIOM1011 LO4 BIOM1012 LO5
<ul style="list-style-type: none"> understand the theoretical basis of, and the variety of approaches to, assessment and intervention 	BIOM 2001, LO 3 – 5; BIOM1011 LO1-4, BIOM1012 LO1-5 BIOM2012 LO1-3 BIOM2014 LO1-4 BIOM2016 LO1-3 BIOM2017 LO1-3 BIOM3014 LO1-4 BIOM3015 LO1-4 BIOM3016 LO1-4 BIOM3017 LO1-4

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> have detailed understanding of the structure and physiological function of the human body generally, and to a more advanced level in the specialist area e.g. central and peripheral nervous, auditory, respiratory, cardiac and gastrointestinal and endocrine systems 	BIOM 1001, LO 1, 3 BIOM 1004, LO 1, 3, 4, 5 BIOM 1012 LO1 BIOM 1011 LO1 BIOM 2014 LO1 LO2 BIOM 3014 LO1 BIOM3016 LO1 BIOM3017 LO1
<ul style="list-style-type: none"> have detailed knowledge and understanding of the concepts related to physics and instrumentation within the area of practice 	BIOM2011 LO1-LO4 BIOM2012 LO1 BIOM2015 LO1 LO2

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> know the diagnostic procedures, investigations and physiological symptoms which result in patients being referred for investigations 	BIOM 1012 LO1 BIOM 1011 LO1 BIOM 2014 LO1 LO2 BIOM 3014 LO1-4 BIOM3015 LO1-4 BIOM3016 LO1-4 BIOM3017 LO1-4 ICVS LO1 LO2 LO3 IRS LO1 LO2 LO3 ECG LO1-LO3, RABP LO1-LO3 PEGG LO1-LO3 PAC LO1-LO3 SSLV LO1-LO5 GTOS LO1-LO4 SLEEP LO1- LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand and interpret scientific data produced by physiological procedures within their specialist area 	BIOM 1012 LO1 BIOM 1011 LO1 BIOM 2014 LO1 LO2 BIOM 3014 LO1-4 BIOM3015 LO1-4 BIOM3016 LO1-4 BIOM3017 LO1-4 ICVS LO1 LO2 LO3 IRS LO1 LO2 LO3 ECG LO1-LO3, RABP LO1-LO3 AMECG LO1-3 PEGG LO1-LO3 PAC LO1-LO3 SSLV LO1-LO5 GTOS LO1-LO4 SLEEP LO1- LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> understand the pathophysiology of disease processes and have a detailed knowledge within the area of practice 	BIOM1001 LO1 LO2 BIOM1002 LO 4 BIOM1003 LO3 BIOM1004 LO4 LO5 BIOM1011 LO1 BIOM1012 LO1 BIOM 2014 LO1 LO2 BIOM 3014 LO1-4 BIOM3015 LO1-4 BIOM3016 LO1-4 BIOM3017 LO1-4
<ul style="list-style-type: none"> understand concepts of therapeutic intervention, including pharmacology, in particular related to the area of practice 	BIOM1008 LO1-4 BIOM2014 LO1-4 BIOM 3014 LO2 LO3 BIOM2016 LO1

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> • 3a.2 know how professional principles are expressed and translated into action through a number of different approaches to practice, and how to select or modify approaches to meet the needs of an individual, groups or communities 	<p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>BIOM 1001, LO 3, 4 & 5</p> <p>IWL LO 1</p> <p>ICVS LO3 IRSS LO1, LO3</p> <p>ECG LO1, LO3 RABP LO1 LO3</p> <p>PECG LO1 LO3</p> <p>PAC LO1 LO2 LO3</p> <p>SSLV LO1 LO2 LO3 LO4 LO5</p> <p>GTOS LO1 LO4</p> <p>SLEEP LO3</p>
<p>3a.3 understand the need to establish and maintain a safe practice environment</p>	

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be aware of applicable health and safety legislation, and any relevant safety policies and procedures in force at the workplace, such as incident reporting, and be able to act in accordance with these 	BIOM 1001, LO 6 BIOM 2001, LO 1 BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice IWL LO 1; ECG LO3, RABP LO3 AMECG LO3 PEGC LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3
<ul style="list-style-type: none"> be able to work safely, including being able to select appropriate hazard control and risk management, reduction or elimination techniques in a safe manner in accordance with health and safety legislation 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice IWL LO 1 ECG LO3, RABP LO3 AMECG LO3 PEGC LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be able to select appropriate personal protective equipment and use it correctly 	<p>Inherent in all practical work (see module specifications). BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>IWL LO 1 ECG LO3, RABP LO3 AMECG LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3</p>
<ul style="list-style-type: none"> be able to establish safe environments for practice, which minimise risks to service users, those treating them, and others, including the use of hazard control and particularly infection control 	<p>BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and allow students to evidence proficiency in clinical practice</p> <p>IWL LO 1; ECG LO3, RABP LO3 AMECG LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3</p>

Standards of Proficiency (SOPs)	Please indicate where evidence relating to the delivery and assessment of each standard can be found in the accompanying documentation (eg Module descriptor AB1234, Learning outcome XXXX)
<ul style="list-style-type: none"> be aware how personal health problems may affect safety of patients and colleagues and understand the role of Occupational health in maintaining fitness to practice keep all relevant vaccinations up to date 	BIOM 1001, 2004 and 3002 Workplace Training modules incorporate placement learning and Good Scientific Practice IWL LO 1; ECG LO3, RABP LO3 AMECG LO3 PECG LO3 PAC LO3 SSLV LO5 GTOS LO4 SLEEP LO3