



**UNIVERSITY OF  
PLYMOUTH**  
Faculty of Health and  
Human Sciences

**Faculty of Health and Human Sciences**

**School of Nursing and Midwifery**

## **Programme Specification**

**Post Graduate Certificate Surgical Care Practitioner  
Post Graduate Diploma / MSc Surgical Care Practitioner  
(Cardiothoracic Surgery)  
Post Graduate Diploma / MSc Surgical Care Practitioner  
(Trauma and Orthopaedic Surgery)  
Post Graduate Diploma / MSc Surgical Care Practitioner  
(Abdominal, Pelvic and General Surgery)**

Updated following Minor Change for implementation 2019-20

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## Contents

1. PGCert / PGDip / MSc Surgical Care Practitioner .....	5
2. Awarding Institution .....	5
3. Accrediting Body .....	5
4. Distinctive Features of the Programme and the Student Experience .....	5
5. Relevant QAA Subject Benchmark Group(s) .....	8
6. Programme Structure .....	8
7. Programme Aims .....	12
8. Programme Intended Learning Outcomes .....	13
9. Admissions Criteria, including APCL, APEL and DAS arrangements .....	16
10. Progression Criteria for Final and Intermediate Awards .....	18
11. Exceptions to Regulations .....	18
12. Transitional Arrangements .....	19
13. Mapping .....	19



## 1. Programme Title: PGCert / PGDip / MSc Surgical Care Practitioner

### Final award titles:

MSc Surgical Care Practitioner (Cardiothoracic Surgery)  
MSc Surgical Care Practitioner (Trauma and Orthopaedic Surgery)  
MSc Surgical Care Practitioner (Abdominal, Pelvic and General Surgery)

### Level 7 Intermediate award title(s):

Post Graduate Certificate Surgical Care Practitioner  
Post Graduate Diploma Surgical Care Practitioner (Cardiothoracic Surgery)  
Post Graduate Diploma Surgical Care Practitioner (Trauma and Orthopaedic Surgery)  
Post Graduate Diploma Surgical Care Practitioner (Abdominal, Pelvic and General Surgery)

### Level 7 Intermediate award title(s) Level 7 Intermediate award title(s) (Exit Award only for students who fail the first core module)

Post Graduate Certificate (Pgcert) Advanced Professional Development

UCAS code: N/A

JACS code: N/A

2. Awarding Institution: University of Plymouth

Teaching institution(s): University of Plymouth

3. Accrediting body(ies) Royal College of Surgeons (England)

## 4. Distinctive Features of the Programme and the Student Experience

This is an exciting and innovative full time programme of study at Masters level, where the trainee will exit after completion of the programme with 120 Masters level credits. This course will train clinicians to become competent Surgical Care Practitioners over a 2 year period. The student then has the option to complete another 60 credit dissertation module part time over a 3<sup>rd</sup> year whilst consolidating their learning within SCP roles.

The course will be delivered by University of Plymouth alongside the student's own hospital base. Trainee practitioners will be embedded in their surgical specialty teams with a 1-2 week block based in Plymouth approximately every 8 weeks. University of Plymouth and the clinical staff at the hospitals will deliver the theoretical components and trainees will demonstrate their practical skills and

competencies via workplace based assessments. Clinicians from each unit may be asked to be visiting lecturers for some topics.

The course is based on the revised National Curriculum for SCPs published by the Royal College of Surgeons (Eng) in 2014.

The programme has been introduced to meet identified specific workforce needs in the development and delivery of a high quality patient led service. It enables practitioners the opportunity to enhance, and develop mastery in a range of advanced clinical skills and knowledge at the cutting edge of clinical care. The competences identify knowledge, common and specialist elements, which are deemed essential to the role, while allowing for flexibility within local settings to meet service needs. Each individual practitioner will take professional responsibility for their autonomous practice including acknowledgement of their limitations and when to 'refer the patient on' to medical colleagues or other appropriate professionals.

Through the contemporary focus of the programme, the intention is that trainees advance their knowledge and skills with the consequence that they will be well positioned to develop and improve practice in terms of efficiency, effectiveness and quality. This should lead to improved ways of working with a resultant impact on patient care ensuring a culture that fosters research-informed excellence and sustainability, developing competencies to inform decision making within surgical patient care.

The programme builds on existing good practice and has been adapted to reflect service, political and professional changes whilst maintaining a clear focus on the University strategy and ensuring a quality student experience. Research-informed teaching will support the programme, with an emphasis on ensuring an evidence-based programme is delivered utilising the range of skills and experience available within the programme team and wider community where appropriate.

This is a collaborative development between University of Plymouth and a range of clinical stakeholders eager to develop this role. The programme is forward-looking, preparing staff to meet future challenges in the delivery of a high quality service to patients and to increase and release their potential. It further enables organisations in the creation of a highly skilled workforce. There has been active participation of past and current clinical teams, and academic colleagues. The revised programme takes the established and proven programme a step further by incorporating a new specialist route and facilitating a Masters award for Surgical Care Practitioners. The programme allows for dynamic collaboration of clinical and academic colleagues ensuring it is relevant and responsive to both local and national clinical needs.

Masters level trainees are required to demonstrate that they can operate in complex and unpredictable situations demonstrating initiative and originality in problem solving. The role of the SCP is to be able to undertake complex skills, and manage the care of the surgical patient within a variety clinical locations, including directing care needs within ward and clinic environments. Additionally they are required to provide knowledgeable and timely interventions within the operating theatre, offering quality and efficient assistance to medical colleagues in the completion of surgical procedures. This corresponds with a Masters level of conceptual understanding that enables evaluation, interpretation and analysis of complex data in evaluating the effectiveness of clinical care delivery. The resulting ability to synthesise information will equip practitioners to be innovative and utilise both knowledge and skills in continuing to improve patient care

Development of the revised programme has been achieved through discussion with key stakeholders including students, clinical representatives and academics. The revised programme has built upon experience gained through delivery of previous SCP cohorts and acknowledgement of increasing clinical and organisational interest in the value of the SCP role. The programme structure recognises the importance of enhancing the student experience and promoting academic excellence whilst ensuring that the programme meets contemporary service.

**The distinctive features of the programme are:**

- RCS accreditation since 2009 at Masters level
- 3 specialist pathways: Cardiothoracic Surgery; Trauma and Orthopaedic Surgery; and, Abdominal, Pelvic and General Surgery
- Full-time student for first 2 years; optional Dissertation (3<sup>rd</sup> year)
- Students employed in specific SCP training role on 2 year contract
- Interprofessional equity in practice assessment with junior grade doctors
- Clinically active experts oversee and assess practice
- Contemporary and dynamic programme responsive to the changing health care environment
- Delivered by a team with extensive experience in the delivery of Masters level modules and a diverse range of health and social care experience
- Student-centred approach
- Research informed teaching embedded throughout curriculum
- Updated programme built upon the dynamic collaborative working relationship between University of Plymouth and Healthcare Employers, with clinicians contributing and leading on the teaching and assessment strategy

## **5. Relevant QAA Subject Benchmark Group(s)**

The Programme is informed by the Quality Assurance Agency (QAA) Framework for Higher Education Qualifications (FHEQ) in England, Wales and Northern Ireland for level 7 study (QAA for Higher Education 2008).

## **6. Programme Structure and Pathways**

The Surgical Care Practitioner Programme is based in the School of Nursing & Midwifery. The Programme offers an award of Surgical Care Practitioner related to a surgical specialism. This programme is open to a range of health care practitioners registered either with the Nursing and Midwifery Council or the Health & Care Professions Council and who have the appropriate qualifications and experience with surgical patients.

### **Curriculum innovation and delivery**

The programme has an integrated approach to the development of clinical skills, knowledge and competence by trainees, all of whom will be supervised by a named Consultant for the duration of the programme. This integrated approach is implemented in the curriculum through SCP focussed module delivered in years one and two. The first year module Core Competencies for Surgical Care Practice (40 credits at level 7) has a staged theoretical component and associated clinical competences along with milestones to be achieved. The module is delivered over one academic year and comprises eight weeks taught theory and thirty-one weeks of associated clinical practice. The second year module Surgical Care Specialist Practice (named specialty, 40 credits at Level 7) has theoretical components along with specialism focussed competencies. This module is delivered over one academic year and comprises six weeks taught theory and thirty-three weeks of associated clinical practice. The difference in theory-practice balance between first and second years allows for the additional complexity of competencies meshing with clinical opportunities available.

All theory weeks are undertaken in the academic setting, taught by a range of experts and Advanced Practitioners. The theory consists of key lectures, seminars, self directed learning, workshops, e learning and is delivered over the full five days of the taught weeks. Practice learning takes place in the trainees' place of work and is supported by Clinical Supervisors and mentors. All trainees have a named academic Personal Tutor offering a continuous link between the academic and clinical elements of the programme.

In the first year trainees will also develop their knowledge of research theory and practice through the module APP745 Research Application and Methodology (20 credits at Level 7) which is part of the well established MSc Advanced Clinical Practice programme. This module occurs in the first three months of the programme, and develops the trainees understanding of research to facilitate their own inquiry and support development of evidence-based practice. Trainees will be integrated into their employing hospital clinical teams from week 1 of the programme and undertake supervised practice learning under direct supervision of Consultant, with additional support from experienced Clinical Mentors.

In year two of the programme the SCP trainees undertake APP710 Advanced Assessment for Clinical Practice (20 credits at level 7) alongside their specialist module. The APP710 module is also well-established within the MSc Advanced Clinical Practice programme and provides intensive learning within a fully-equipped clinical skills laboratory for history-taking and clinical examination of all body systems.

As part of the range of practice assessments trainees will be expected to undertake a number of activities. These activities include presenting case histories to their clinical teams, undertaking relevant clinical audits in their own area and presenting their findings to the Clinical Directorate medical, nursing and management teams, and undertaking a number of triggered assessments to test a range of advanced and complex clinical skills. Trainees will be formatively assessed on the development of their individual skills and competence every month whilst in practice.

The ability to critically reflect on their practice is a crucial part of the development of these trainees in becoming an independent practitioner. Reflection will form part of the integral learning from practice with trainees expected to be able to use reflexivity in developing a deeper level of reflection, and integration of the current evidence base in the application to their practice.

This continuous structured formative assessment enables the trainee to measure themselves against the required level of advanced and complex skills as they progress to meet the core competences required by the end of year 1 and the specialist competences at the end of year 2.

## Student Support

The programme incorporates pastoral, academic and practice support for students from within the practice setting and the University. All students will have a named personal tutor in the University, and a Clinical Supervisor and Mentor within clinical practice. Additionally they will be able to gain advice and support from the individual module leads and the Programme Lead at the University. Support and advice is also directly available to clinicians supporting students via telephone or email, as well as clinical practice visits, from the Programme Lead, Programme Clinical Lead and personal tutor. The personal tutor, clinical supervisor and mentor roles are continuous through the student programme.

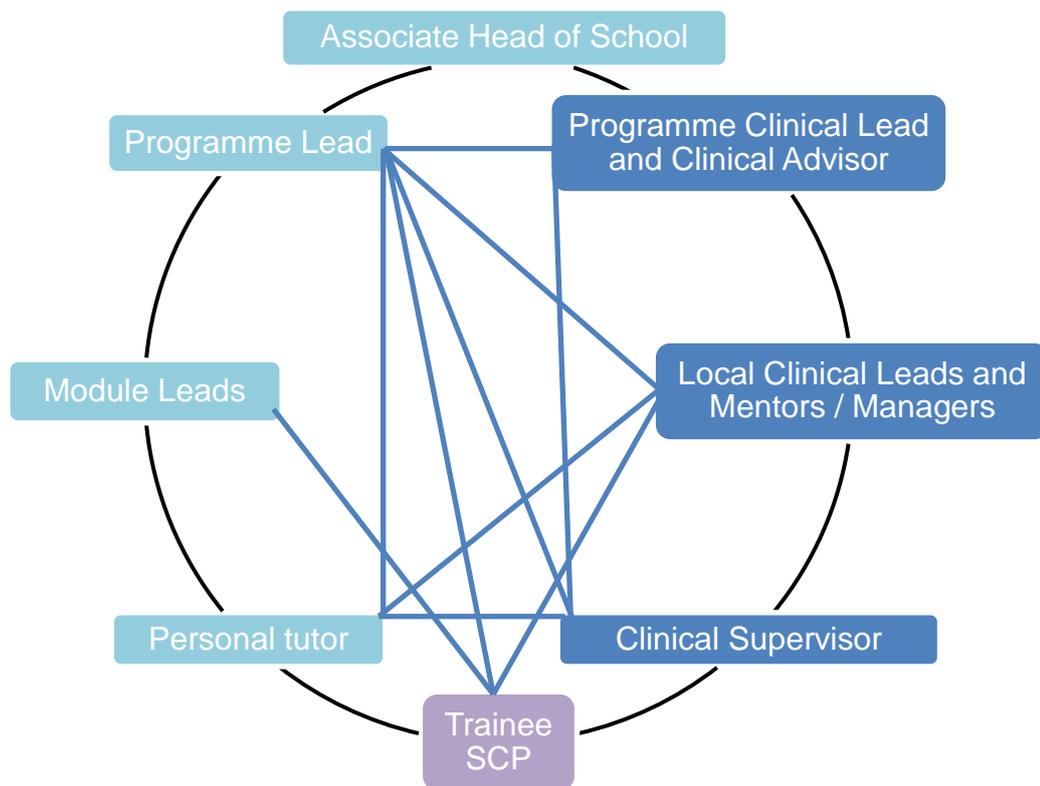


Fig 1: Student and Clinician support and advice network

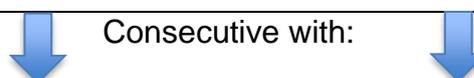
## The Failing Student

The student is closely monitored throughout the programme and has formative assessments at set intervals within the year. The struggling student will be quickly identified by the team and mechanisms put in place utilising the network above to support the student, and ensure they have every opportunity to succeed. If the student is referred in year 1 the student will be given the opportunity to resit late summer and if successful will join the group in year 2. If a student fails the programme then their employer can either: make them redundant from the SCP post or offer return to practice in their parent profession. Individual employers can set their contracts and job descriptions as they wish.

The university will require employers to offer up to 1 additional year of employment for a student who fails a component of the course but is offered the opportunity to resit by the university. Any further extension would only be permitted due to extenuating circumstances and will be considered on a case by case basis. A panel will be convened combining both the university Faculty (Programme Board) and the employer.

**Structure for Surgical Care Practitioner Programme commencing 2016:**

Year 1	Term 1	Term 2	Term 3
PG Cert (All students)	APP745 Research Methodology and Application		
	SCP701 – Core competencies for SCP - 40 Credits		



Year 2	Term 1	Term 2	Term 3
PG Dip (SCP-CT)		APP710 – Advanced Assessment for Clinical Practice – 20 credits	
	SCP702 – Surgical Care Specialist Practice (Cardiothoracic Surgery) - 40 credits each		
<b>OR</b>			
PG Dip (SCP-TO)		APP710 – Advanced Assessment for Clinical Practice – 20 credits	
	SCP703 – Surgical Care Specialist Practice (Trauma and Orthopaedic Surgery) – 40 credits		
<b>OR</b>			
PG Dip (SCP-APGS)		APP710 – Advanced Assessment for Clinical Practice – 20 credits	
	SCP704 – Surgical Care Specialist Practice (Abdominal, Pelvic, and General Surgery) – 40 credits		

Optional, non-consecutive:

Year 3	Term 1	Term 2	Term 3
MSc (named specialty)	Optional Module - 20 credits	SPP702 – Substantive Professional Project - 40 credits	

Optional modules should be discussed with Programme Lead prior to commencement.

## 7. Programme Aims

The role of the Surgical Care Practitioner (SCP) (RCSEng 2014) sets out clear guidance as to the development of the role to ensure patient safety is maintained. This programme has been designed utilising the framework as a guide to offer career progression for experienced staff working in surgical care.

The programme aims to facilitate students to:

1. Undertake the development and acquisition of advanced clinical skills and be able to perform these with expert competence and confidence in order that they are able to operate effectively, safely and efficiently in the delivery of high quality care for patients within a multi-professional team.
2. Demonstrate that they are able to operate independently in the complex and unpredictable contexts of professional practice, demonstrating both initiative and the application of critical problem solving skills in caring for patients pre, intra and post operatively.
3. Be able to practice the technical skills acquired with precision and expertise when caring for patients and adapt, design and acquire new skills for novel situations.
4. Undertake teaching and supervision of other members of the multiprofessional team, demonstrating leadership and the use of a range of learning and teaching resources.
5. Have a systematic in-depth knowledge base which will enable them to undertake and prescribe the appropriate evidenced based care for patients from the initial outpatients attendance to final discharge from hospital.
6. Use reflexivity to be able to evaluate their own practice and initiate change and development.
7. Critically analyse the development of new roles in practice to ensure that the needs of patients and the delivery of a good quality service continue to be provided.

## **8. Programme Intended Learning Outcomes**

The Intended Learning Outcomes for the MSc Surgical Care Practitioner reflect the Level 7 Qualification Descriptors provided by the Quality Assurance Agency (QAA) Framework for Higher Education Qualifications (FHEQ)

Knowledge and understanding (subject specific)

Cognitive/intellectual skills (generic)

Key transferrable skills

Subject specific practical skills

Employment related skills

This enables 'others' to judge the value of this qualification through improved understanding of the level of intellectual and conceptual activity demonstrated by our graduates. It defines their capability in respect of their knowledge of Surgical Care and the associated transferable skills that enhance employability. It also provides a reference point for other level 7 qualifications across the Higher Education sector.

### **8.1. Knowledge and understanding**

On successful completion graduates should have developed:

- Applied pathophysiology in relation to the care and management of patients admitted for elective or emergency operative procedures
- Surgical anatomy
- A comprehensive understanding of the main research methods and evidence base utilised in Surgical Care Practice
- A variety of techniques used in the peri-operative phase of the patient experience and ability to evaluate and apply this to a range of complex situations
- A comprehensive understanding of the post-operative complications and the management and evaluation as applied to patient care delivery
- The implications for practice of the ethical issues that arise during the management of patients for self and other members of the multi-professional team

These will be achieved through teaching and learning strategies that include:

Lectures, seminars, workshops, self-directed study, and use of communication and information technologies.

Assessment methods include: Achievement of practice competences, Portfolio of evidence, Case based discussion, Case study reports, Clinical audit, Procedure-based assessments, Research critique

## **8.2. Cognitive and intellectual skills**

On successful completion graduates should have developed the ability to:

- Critically analyse of their own learning and developmental needs
- Synthesise complex information in relation to the care and management of patients during all phases of the patients journey
- Analyse, interpret and evaluate complex data to enable a critical evaluation of the effectiveness of clinical care and outcomes.
- Demonstrate initiative and original problem solving strategies when carrying out the professional role.

These will be achieved through teaching and learning strategies that include:

Group discussion, seminars, group and individual tutorials, on-line study tasks, e-technologies including narrated PowerPoint presentations, podcasts and interactive materials plus synchronous and asynchronous discussion fora.

Assessment methods include:

Essay, critical literature review, oral presentation, case study, critical reflections on practice.

## **8.3. Key and transferable skills**

On successful completion graduates should have developed the ability to:

- Work proactively with others to manage and resolve complex situations for patients and colleagues
- Have developed a range of learning resources and teaching methods
- Confidently engage in professional communication with all members of the clinical teams.
- Reflect on their own practice and be able to consider how this can be enhanced to improve collaborative working and patient care

These will be achieved through teaching and learning strategies that include:

Small group presentations, active participation in group discussions, problem based case studies, e-technologies including use of a managed learning environment to host a variety of study materials and synchronous and asynchronous discussions.

Assessment methods include: Achievement of practice competences, Portfolio of evidence, Case based discussion, Case study reports, Clinical audit, A record of a teaching session which identifies learning needs and an evaluation of the session.

#### **8.4. Employment related skills**

On successful completion graduates should have developed:

- Core competences for eligibility to practice as a surgical care practitioner within their chosen sphere of practice
- Specialist clinical competences to practice within the fields of practice for Cardiothoracic, Trauma and Orthopaedics, or Abdominal, Pelvic and General Surgery
- Be able to function confidently, competently and autonomously as a key member of the clinical team

These will be achieved through teaching and learning strategies that include:

A wide range of student centred learning approaches, directed student and student led study with analysis and application to the service setting throughout modules.

Assessment methods include: A variety used throughout the programme incorporating assessment of transferable skills. These may include: examinations, tests undertaken in team-based learning, essays including case studies and reflection, portfolios, Objective Structured Clinical Examination (OSCE) including both oral and practical skills assessment, presentations and project outputs.

#### **8.5. Practical/Professional skills**

On successful completion graduates should have developed:

- A range of technical skills and expertise in the core and specific skills for pre peri and postoperative management of the patient.
- Advanced assessment of patients prior to surgery and at outpatient follow up clinics
- The ability to adapt, develop and exercise autonomy and initiative in application of the range of skills required within their own field of practice

These will be achieved through teaching and learning strategies that include:

Practical skills that will be taught in simulated environment and on placement settings

Assessment methods include: A variety that are used throughout the programme incorporating assessment of transferable and practical skills. These may include: examinations, tests undertaken in team-based learning, essays including case studies and reflection, portfolios, Objective Structured Clinical Examination (OSCE) including both oral and practical skills assessment, presentations and project outputs.

## **9. Admissions Criteria, including APCL, APEL and DAS arrangements**

In order to commence this programme, the student must meet the University's entry requirements for study at postgraduate level. Applicants will normally have a first degree, BSc (Hons) at 2.2 or above; or European first cycle equivalent plus a professional qualification in health or social care. Those individuals without a degree but with appropriate practice-related experience relevant to the programme may be eligible to apply.

The SCP programme requires students to be employed in an SCP Trainee position within clinical practice; this is to ensure they have access to patients on whom they can undertake health assessments. Working in clinical practice to enhance and consolidate the theoretical learning. Any modules that students may undertake while they are enrolled on the programme that have a practice element will be required to provide evidence of their DBS status to the module team concerned, and to update the module lead of their legal DBS status at the start of each academic year.

Applicants where English is not the first language must also provide evidence of competence in written and spoken English in accordance with the University's Admissions Code of Practice i.e. IELTS of 6.5 overall with a minimum of 5.5 in each part.

Each potential student will be assessed for their ability to study at masters' level and therefore an interview will be necessary. Candidates without a first degree at 2.2 or above (or European first cycle equivalent) will normally be required to submit a short piece of writing as part of the admissions process.

Trainees of this programme will be employed by participating organisations as trainee SCPs, and must demonstrate and fulfil the following criteria as part of the application process:

- Evidence of employment in a UK Healthcare organisation
- A named Consultant who will be the Clinical Supervisor
- A current live registration with either the Nursing and Midwifery Council (Part 1 or 2) or The Health & Care Professions Council
- Three years post qualifying experience within a theatres/surgical speciality
- Evidence of achievement at Level 6; in exceptional circumstances a candidates experience will be taken into consideration if they can demonstrate the ability to study at masters level

In addition, the candidate must demonstrate:

- Commitment to patient care and patient safety
- Understanding of the relationships within the multidisciplinary team especially with respect to the changing role and scope of surgery
- Recognition of the role and responsibilities of being a trainee SCP
- Understanding of the programme with particular respect to their own work and educational experience
- Aptitude for both clinical and operative practice
- Recognition that educational as well as clinical development will be required.

The trainee will complete an application form for the programme and shortlisting and interview selection will be a joint process between the University and the employing organisation. All potential trainees will be interviewed as part of the application process. The selection process complies with the Plymouth University's Equal Opportunities policy.

Candidates are required to confirm they have had a recent (within 3 years) Disclosure and Barring Service Check (DBS) (formerly CRB) at an enhanced level, at point of entry onto the programme. This will be confirmed to the University by the employer and a copy provided for our records. Students will be required to complete a self-declaration on their first taught day, indicating that there has been no change in their circumstances.

Issues brought to our concern during the programme are fed back to the trainees line manager and the employer processes with regard to this are instigated. The University processes in relation to Fitness to Practice, Fitness to Study and disciplinary processes may be instigated following the final outcome of any employer processes.

### **Trainee Indemnity**

There are two elements to this: professional indemnity and activity indemnity. As employees of a Healthcare organisation their professional indemnity will be part of their terms of employment and membership of their professional body.

Activity indemnity is covered under the Work Place Agreement where it states that students undertaking activity out in service have to do so under the clinical guidelines of the organisation where they are placed. Our insurance then indemnifies the University against any claims arising from the student's activity.

## **AP (E) L:**

Claims for credit for prior learning, whether certificated or experiential are accepted and will be assessed following University regulations and Faculty procedures. This would normally be for the Advancing Research Knowledge in Practice 1 or Advanced Consulting & Clinical Skills.

## **European Credit Transfer and Accumulation System (ECTS)**

This programme is equivalent to 90 ECTS credits (second cycle) with 30 ECTS credits at post graduate certificate, 60 credits at postgraduate diploma and 90 credits at Masters' Degree. Each 20 credit module has the equivalent of 10 ECTS credits and assumes a notional student effort of between 200-300 hours.

## **Sickness and Absence**

SCP trainees will notify their Trust of any sickness or absence. This is a full time two year programme and a 100% attendance would normally be expected. Students will be required to submit timesheets for clinical hours to be recorded.

## **10. Titles and criteria for Final and Intermediate Awards**

MSc Surgical Care Practitioner (Cardiothoracic Surgery)

MSc Surgical Care Practitioner (Trauma and Orthopaedic Surgery)

MSc Surgical Care Practitioner (Abdominal, Pelvic and General Surgery)

Post Graduate Diploma Surgical Care Practitioner (Cardiothoracic Surgery)

Post Graduate Diploma Surgical Care Practitioner (Trauma and Orthopaedic Surgery)

Post Graduate Diploma Surgical Care Practitioner (Abdominal, Pelvic and General Surgery)

The programme will offer exit awards of:

Post Graduate Certificate Surgical Care Practitioner

## **Level 7 Intermediate award title(s) Level 7 Intermediate award title(s) (Exit Award only for students who fail the first core module)**

Post Graduate Certificate (PgCert) Advanced Professional Development

## **11. Exceptions to Regulations**

Immediate resubmission (before board) to facilitate completion in a year for each award. This applies to the staged practice where opportunity was not available earlier in the year.

There is no compensation for the modules in Surgical Care Practitioner programme.

Students must provide evidence of a total of 2200 hours trainee SCP practice prior to completion of the Post Graduate SCP award. Of the total 2200 hours trainees must evidence completion of 1100 hours within operating theatres and 1100 hours in other surgical practice areas (eg: outpatient department, wards, other specific clinics).

## **12. Transitional Arrangements**

This programme will commence from 2016 intake, current students will not be affected in any way.

## **13. Mapping and Appendices:**

Mapping of Programme Aims and Intended Learning Outcomes to related modules

Mapping of Core Competencies for Surgical Care Practice Module Intended Learning Outcomes against Programme Intended Learning Outcomes Year 1

Mapping of Surgical Care Specialist Practice Module Intended Learning Outcomes against Programme Intended Learning Outcomes Year 2

Mapping of assessment within modules in the Surgical Care Practitioner Programme

Mapping of Year 2 Surgical Care Specialist Practice Modules Intended Learning Outcomes against RCSEng Levels of competence and practice (Table 4, pg 33, RCSE, 2014)

**Modules Mapped to Programme Aims and Programme Intended Learning Outcomes to related modules**

<b>Knowledge and Understanding</b>	<b>Programme Aim</b>	<b>Related Modules</b>
Applied pathophysiology in relation to the care and management of patients admitted for elective or emergency operative procedures	5	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)
Surgical anatomy	3, 5	SCP701 PGCert); SCP702, SCP703, SCP704 (PGDip)
A comprehensive understanding of the main research methods and evidence base utilised in Surgical Care Practice	2	APP745 (PGCert); SCP702, SCP703, SCP704 (PGDip)
A variety of techniques used in the peri-operative phase of the patient experience and ability to evaluate and apply this to a range of complex situations	1, 2, 4	SCP701 (PGCert); SCP702, SCP703, SCP704, APP710 (PGDip)
A comprehensive understanding of the post- operative complications and the management and evaluation as applied to patient care delivery	2, 5	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)
The implications for practice of the ethical issues that arise during the management of patients for self and other members of the multi-professional team	6, 7	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)

Critically evaluate and contextualise their research and consider the relevance to theory policy and/or professional practice ensuring that sustainability-related issues are addressed as relevant	5, 6, 7	SPP710 (MSc only)
Present a logically argued and clearly written dissertation	5, 6, 7	SPP710 (MSc only)
<b>Cognitive/Intellectual Skills</b>		
Critical analyse of their own learning and developmental needs	6, 7	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)
Synthesis of complex information in relation to the care and management of patients during all phases of the patients journey	2, 5	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)
Analyse, interpret and evaluate complex data to enable a critical evaluation of the effectiveness of clinical care and outcomes.	1, 5, 6	SCP701, APP745 (PGCert); SCP702, SCP703, SCP704. APP710 (PGDip)
Demonstrate initiative and original problem solving strategies when carrying out the professional role.	2	SCP701 (PGCert); SCP702, SCP703, SCp704, APP710 (PGDip)
Design a systematic review or research project based on a critical review of relevant subject and research methodology		SPP702 (MSc only)
Provide evidence of in-depth knowledge and skills in critical appraisal, data Collection		SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip);

		SPP710 (MSc)
<b>Key/Transferable Skills (generic)</b>		
Work proactively with others to manage and resolve complex situations for patients and colleagues	1	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)
Have developed a range of learning resources and teaching methods	4	SCP701 (PGCert);
Confidently engage in professional communication with all members of the clinical teams	1, 2	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)
Reflect on their own practice and be able to consider how this can be enhanced to improve collaborative working and patient care	6, 7	SCP701 (PGCert); SCP702, SCP703, SCP704, APP710 (PGDip)
Identify a relevant health or social care topic that requires investigation through research	5, 6	SPP702 (MSc only)
<b>Employment-related Skills</b>		
Core competences for eligibility to practice as a surgical care practitioner within their chosen sphere of practice	1, 2, 3, 4, 5, 6, 7	SCP701 (PGCert);
Specialist clinical competences to practice within the fields of practice for Cardiothoracic, Trauma and Orthopaedic or Abdominal, Pelvic and General Surgery	1, 2, 3, 4, 5, 6, 7	SCP702, SCP703, SCP704 (PGDip only)

Be able to function confidently, competently and autonomously as a key member of the clinical team	1, 2, 3, 4, 5, 6, 7	SCP701, APP745 (PGCert); SCP702, SCP703, SCP704. APP710 (PGDip)
<b>Practical/Professional Skills</b>		
A range of technical skills and expertise in the core and specific skills for pre, peri and postoperative management of the patient	1, 3, 4, 6	SCP701 (PGCert); SCP702, SCP703, SCP704, APP710 (PGDip)
Advanced assessment of patients prior to surgery and at outpatient follow up clinics	1, 2, 3, 5	SCP702, SCP703, SCP704, APP710 (PGDip only)
The ability to adapt, develop and exercise autonomy and initiative in application of the range of skills required within their own field of practice	2, 5, 6	SCP701 (PGCert); SCP702, SCP703, SCP704 (PGDip)

**Key:**

SCP701 – Core Competencies for Surgical Care Practice

SCP702 – Surgical Care Specialist Practice (Cardiothoracic Surgery),

SCP703 – Surgical Care Specialist Practice (Trauma & Orthopaedic Surgery),

SCP704 – Surgical Care Specialist Practice (Abdominal, Pelvic, and General Surgery)

APP710 – Advanced Assessment for Clinical Practice

APP745 – Research Methodology and Application

SPP702 – Substantive Professional Project

**Mapping of Core competencies for Surgical Care Practice Module Intended Learning Outcomes against Programme Intended Learning Outcomes Year 1**

**SCP701 Core Competencies for Surgical Care Practice**

SCP701 Module Intended learning outcomes	Development of knowledge and understanding	Cognitive and intellectual skills	Key/transferable skills	Practical skills
Demonstrate a comprehensive knowledge and systematic understanding of patho- physiology that will enable a critical analysis and application of initiative and originality in solving problems that may occur during the pre-operative and intra-operative phases of care for the patient undergoing surgery. ( <i>knowledge and understanding/cognitive and intellectual skills</i> )	✓	✓		
Demonstrate a comprehensive knowledge and systematic understanding of patho- physiology that applies in the management of patients during the peri and post operative phase of the patient experience that will enable analysis of complex or incomplete clinical information in making a sound, evidenced-based judgement when managing post-operative complications. ( <i>knowledge and understanding/cognitive and intellectual skills</i> )	✓	✓		
Interpret and analyse complex data in evaluating the effectiveness of clinical outcomes, and the critical application of this data to enhance clinical care delivery. ( <i>knowledge and understanding/cognitive and intellectual skills</i> )	✓	✓		
Express an in depth and systematic understanding of the ethical issues that may arise and affect the care and management of patients who are undergoing a surgical procedure; being able to demonstrate the ability to	✓		✓	

manage the implications for patient care and work proactively with others to formulate solutions that will resolve these situations and offer optimal care delivery for patients. (knowledge and understanding /transferable skills)				
Articulate a comprehensive critical understanding of the techniques used in the intra-operative phase of the patient experience that will enable a critical problem solving approach to be employed in a range of complex and unpredictable situations to enable safe and effective care delivery. (knowledge and understanding/cognitive and intellectual skills)	✓	✓		
Demonstrate an advanced level of technical expertise to perform smoothly and with precision the range of skills required throughout the patient experience and being able to develop new skills and adapt acquired skills to a range of situations.( Practical skills)				✓
Engage with learning as an independent and critical self-reflective learner, who is able to use a full range of learning resources in managing their own learning, and present evidence of such reflection on their own development of knowledge and skills. (Key/transferable skills)			✓	
Analyse and critically evaluate research that supports interventions used in the pre, intra, peri and post-operative phases of the patient experience. (cognitive and intellectual skills)		✓		
Work effectively as a group leader or member in order to engage confidently in professional communication with other members of the clinical teams within, and external to the Operating Department in managing the care delivery for the peri-operative and post-operative patient, reporting clearly autonomously and competently. (Transferable skills)			✓	

## Mapping of Surgical Care Specialist Practice Module Intended Learning Outcomes against Programme Intended Learning Outcomes Year 2

### SCP702 Surgical Care Specialist Practice (Cardiothoracic Surgery)

SCP702 Module Intended learning outcomes	Development of knowledge and understanding	Cognitive and intellectual skills	Key/transferable skills	Practical skills
Have a comprehensive in depth and systematic understanding of cardiothoracic surgical practice that will enable a critical analysis and application of initiative and originality in problem solving as part of the role of the qualified SCP.	✓	✓		
Be able to act autonomously in the exercise of professional judgment using critical thinking and analytical skills to manage the complex care required by patients including the analysis of data from investigation and observations		✓	✓	
Have a mastery of advanced level of technical expertise to perform smoothly and with precision the range of skills required of a qualified SCP in Cardio-Thoracic surgery in the operating department and when undertaking clinical assessments, and be able to develop new skills and adapt acquired skills to a range of situations	✓	✓		✓
Critically appraise risk for clinical procedures relative to individuals throughout the surgical patient experience from pre-operative assessment to post-operative follow-up. Be able to articulate the consequences of different options with regard to immediate and long-term implications for the patient	✓	✓		

Engage with learning and continuous professional development as an independent, and critical self reflective lifelong learner, in managing their own learning and in guiding others to enhance their own skills and knowledge			✓	✓
Demonstrate leadership within the surgical care team and a critical self awareness that enables the facilitation of a positive team dynamic and employs appropriate communication, negotiation and conflict resolution skills in ensuring an effective and positive workplace.	✓	✓	✓	✓
Analyse, synthesise and evaluate research applicable to their sphere of practice identifying innovation, the management of complex data and a level of conceptual understanding in relation to cardiothoracic care	✓	✓	✓	
Employ vigilance with regard to accountability and responsibility as an SCP, integrating personal and professional values, whilst working within the complex multi-disciplinary/multi-professional environment of the Extended Surgical Team.	✓	✓		
Demonstrate a critically informed working knowledge of the underpinning philosophy of the SCP role, cognisant of legal and ethical boundaries, and appreciating the intricacies of implementing new roles in clinical practice.	✓	✓		

### SCP703 Surgical Care Specialist Practice (Trauma & Orthopaedic Surgery)

SCP703 Module Intended learning outcomes	Development of knowledge and understanding	Cognitive and intellectual skills	Key/transferable skills	Practical skills
Have a comprehensive in depth and systematic understanding of Trauma and Orthopaedic surgical practice that will enable a critical analysis and application of initiative and originality in problem solving as part of the role of the qualified SCP.	✓	✓		

Be able to act autonomously in the exercise of professional judgment using critical thinking and analytical skills to manage the complex care required by patients including the analysis of data from investigation and observations		✓	✓	
Has a mastery of advanced level of technical expertise to perform smoothly and with precision the range of skills required of a qualified SCP in Trauma and Orthopaedic surgery in the operating department and when undertaking clinical assessments, and be able to develop new skills and adapt acquired skills to a range of situations.	✓	✓		✓
Critically appraise risk for clinical procedures relative to individuals throughout the surgical patient experience from pre-operative assessment to post-operative follow-up. Be able to articulate the consequences of different options with regard to immediate and long-term implications for the patient	✓	✓		
Engage with learning and continuous professional development as an independent, and critical self reflective lifelong learner, in managing their own learning and in guiding others to enhance their own skills and knowledge.			✓	✓
Demonstrate leadership within the surgical care team and a critical self awareness that enables the facilitation of a positive team dynamic and employs appropriate communication, negotiation and conflict resolution skills in ensuring an effective and positive workplace.	✓	✓	✓	✓
Analyse, synthesise and evaluate research applicable to their sphere of practice identifying innovation, the management of complex data and a level of conceptual understanding in relation to Trauma and Orthopaedic Care.	✓	✓	✓	

Employ vigilance with regard to accountability and responsibility as an SCP, integrating personal and professional values, whilst working within the complex multi-disciplinary/multi-professional environment of the Extended Surgical Team.	✓	✓		
Demonstrate a critically informed working knowledge of the underpinning philosophy of the SCP role, cognisant of legal and ethical boundaries, and appreciating the intricacies of implementing new roles in clinical practice.	✓	✓		

### SCP704 Surgical Care Specialist Practice (Abdominal, Pelvic and General Surgery)

SCP704 Module Intended learning outcomes	Development of knowledge and understanding	Cognitive and intellectual skills	Key/transferable skills	Practical skills
Have a comprehensive in depth and systematic understanding of Abdominal, Pelvic and General Surgery practice that will enable a critical analysis and application of initiative and originality in problem solving as part of the role of the qualified SCP.	✓	✓		
Be able to act autonomously in the exercise of professional judgment using critical thinking and analytical skills to manage the complex care required by patients including the analysis of data from investigation and observations		✓	✓	
Have a mastery of advanced level of technical expertise to perform smoothly and with precision the range of skills required of a qualified SCP in Abdominal, Pelvic and General Surgery in the operating department and when undertaking clinical assessments, and be able to develop new skills and adapt acquired skills to a range of situations	✓	✓		✓

Critically appraise risk for clinical procedures relative to individuals throughout the surgical patient experience from pre-operative assessment to post-operative follow-up. Be able to articulate the consequences of different options with regard to immediate and long-term implications for the patient	✓	✓		
Engage with learning and continuous professional development as an independent, and critical self reflective lifelong learner, in managing their own learning and in guiding others to enhance their own skills and knowledge			✓	✓
Demonstrate leadership within the surgical care team and a critical self awareness that enables the facilitation of a positive team dynamic and employs appropriate communication, negotiation and conflict resolution skills in ensuring an effective and positive workplace.	✓	✓	✓	✓
Analyse, synthesise and evaluate research applicable to their sphere of practice identifying innovation, the management of complex data and a level of conceptual understanding in relation to Abdominal, Pelvic and General Surgery care	✓	✓	✓	
Employ vigilance with regard to accountability and responsibility as an SCP, integrating personal and professional values, whilst working within the complex multi-disciplinary/multi-professional environment of the Extended Surgical Team	✓	✓		
Demonstrate a critically informed working knowledge of the underpinning philosophy of the SCP role, cognisant of legal and ethical boundaries, and appreciating the intricacies of implementing new roles in clinical practice.	✓	✓		

### Mapping of assessment within modules in the Surgical Care Practitioner Programme

Module	Credit	Formative Assessment	Summative
<b>CORE MODULES</b>			
Research Methodology and Application	20	Feedback from presentation of work in progress to academics and peers	Critical Review of the Literature
Core Competencies for Surgical Care Practice	40	Feedback from portfolio review during year Feedback from CBD presentation Formative discussion for assignments Feedback from clinical practice interim assessment	Case-Based Discussion and Reflection Audit Report Practice competencies Practice portfolio and Final CS Sign-Off
Advanced Assessment for Clinical Practice	20	Feed forward from tutor via submission of examples of work Tutor feedback from mock OSCE in practical sessions. Written submission of A4 plan and paragraph	Reflection Clinical Logs OSCE (Objective Structured Clinical Examination)
Surgical Care Specialist Practice (Cardiothoracic Surgery) OR Surgical Care Specialist Practice (Trauma and Orthopaedic Surgery) OR Surgical Care Specialist Practice (Abdominal, Pelvic, and General Surgery)	40	Feedback from portfolio review during year Formative discussion for assignments Feedback from clinical practice interim assessment	Detailed Case Study  Written Examination and viva  Practice Competencies Practice Portfolio and Final CS Sign-Off
Substantive Professional Project	40	Feedback from presentation of work in progress to academics and peers	Dissertation report (10,000-15,000 words)

**Mapping of Year 2 Surgical Care Specialist Practice Modules Intended Learning Outcomes against RCSEng Levels of competence and practice (Table 4, pg 33, RCSE, 2014)**

**SCP702 - Surgical Care Specialist Practice (Cardiothoracic Surgery)**

Module Intended learning outcomes	Judgement	Technique	Knowledge	Professional
Have a comprehensive in depth and systematic understanding of cardiothoracic surgical practice that will enable a critical analysis and application of initiative and originality in problem solving as part of the role of the qualified SCP.	✓		✓	✓
Be able to act autonomously in the exercise of professional judgement using critical thinking and analytical skills to manage the complex care required by patients including the analysis of data from investigation and observations	✓		✓	✓
Have a mastery of advanced level of technical expertise to perform smoothly and with precision the range of skills required of a qualified SCP in cardiothoracic surgery in the operating department and when undertaking clinical assessments, and be able to develop new skills and adapt acquired skills to a range of situations	✓	✓	✓	
Critically appraise risk for clinical procedures relative to individuals throughout the surgical patient experience from pre-operative assessment to post-operative follow-up. Be able to articulate the consequences of different options with regard to immediate and long-term implications for the patient	✓		✓	✓

Engage with learning and continuous professional development as an independent, and critical self reflective lifelong learner, in managing their own learning and in guiding others to enhance their own skills and knowledge	✓		✓	✓
Demonstrate leadership within the surgical care team and a critical self awareness that enables the facilitation of a positive team dynamic and employs appropriate communication, negotiation and conflict resolution skills in ensuring an effective and positive workplace.	✓	✓	✓	✓
Analyse, synthesise and evaluate research applicable to their sphere of practice identifying innovation, the management of complex data and a level of conceptual understanding in relation to cardiothoracic care.	✓		✓	✓
Employ vigilance with regard to accountability and responsibility as an SCP, integrating personal and professional values, whilst working within the complex multi-disciplinary/multi-professional environment of the Extended Surgical Team	✓			✓
Demonstrate a critically informed working knowledge of the underpinning philosophy of the SCP role, cognisant of legal and ethical boundaries, and appreciating the intricacies of implementing new roles in clinical practice.			✓	✓

### SCP703 - Surgical Care Specialist Practice (Trauma and Orthopaedic Surgery)

Module Intended learning outcomes	Judgement	Technique	Knowledge	Professional
Have a comprehensive in depth and systematic understanding of Trauma and Orthopaedic surgical practice that will enable a critical analysis and application of initiative and originality in problem solving as part of the role of the qualified SCP.	✓		✓	✓
Be able to act autonomously in the exercise of professional judgement using critical thinking and analytical skills to manage the complex care required by patients including the analysis of data from investigation and observations	✓		✓	✓
Has a mastery of advanced level of technical expertise to perform smoothly and with precision the range of skills required of a qualified SCP in Trauma and Orthopaedics in the operating department and when undertaking clinical assessments, and be able to develop new skills and adapt acquired skills to a range of situations	✓	✓	✓	
Critically appraise risk for clinical procedures relative to individuals throughout the surgical patient experience from pre-operative assessment to post-operative follow-up. Be able to articulate the consequences of different options with regard to immediate and long-term implications for the patient	✓		✓	✓

Engage with learning and continuous professional development as an independent, and critical self reflective lifelong learner, in managing their own learning and in guiding others to enhance their own skills and knowledge	✓		✓	✓
Demonstrate leadership within the surgical care team and a critical self awareness that enables the facilitation of a positive team dynamic and employs appropriate communication, negotiation and conflict resolution skills in ensuring an effective and positive workplace.	✓	✓	✓	✓
Analyse, synthesise and evaluate research applicable to their sphere of practice identifying innovation, the management of complex data and a level of conceptual understanding in relation to Trauma and Orthopaedic care.	✓		✓	✓
Employ vigilance with regard to accountability and responsibility as an SCP, integrating personal and professional values, whilst working within the complex multi-disciplinary/multi-professional environment of the Extended Surgical Team	✓			✓
Demonstrate a critically informed working knowledge of the underpinning philosophy of the SCP role, cognisant of legal and ethical boundaries, and appreciating the intricacies of implementing new roles in clinical practice.			✓	✓

### SCP704 - Surgical Care Specialist Practice (Abdominal, Pelvic, and General Surgery)

Module Intended learning outcomes	Judgement	Technique	Knowledge	Professional
Have a comprehensive in depth and systematic understanding of Abdominal, Pelvic and General surgical practice that will enable a critical analysis and application of initiative and originality in problem solving as part of the role of the qualified SCP.	✓		✓	✓
Be able to act autonomously in the exercise of professional judgement using critical thinking and analytical skills to manage the complex care required by patients including the analysis of data from investigation and observations	✓		✓	✓
Has a mastery of advanced level of technical expertise to perform smoothly and with precision the range of skills required of a qualified SCP in Abdominal, Pelvic and General surgery in the operating department and when undertaking clinical assessments, and be able to develop new skills and adapt acquired skills to a range of situations	✓	✓	✓	
Critically appraise risk for clinical procedures relative to individuals throughout the surgical patient experience from pre-operative assessment to post-operative follow-up. Be able to articulate the consequences of different options with regard to immediate and long-term implications for the patient	✓		✓	✓

Engage with learning and continuous professional development as an independent, and critical self reflective lifelong learner, in managing their own learning and in guiding others to enhance their own skills and knowledge	✓		✓	✓
Demonstrate leadership within the surgical care team and a critical self awareness that enables the facilitation of a positive team dynamic and employs appropriate communication, negotiation and conflict resolution skills in ensuring an effective and positive workplace.	✓	✓	✓	✓
Analyse, synthesise and evaluate research applicable to their sphere of practice identifying innovation, the management of complex data and a level of conceptual understanding in relation to Abdominal, Pelvic and General surgical care.	✓		✓	✓
Employ vigilance with regard to accountability and responsibility as an SCP, integrating personal and professional values, whilst working within the complex multi-disciplinary/multi-professional environment of the Extended Surgical Team	✓			✓
Demonstrate a critically informed working knowledge of the underpinning philosophy of the SCP role, cognisant of legal and ethical boundaries, and appreciating the intricacies of implementing new roles in clinical practice.			✓	✓

