**YEAR 1**

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| **Module code and title** | **Module content** | **SWASFT placement block one: 3rd June 2024 - 7th July 2024** | **Module content** | **SWASFT placement block two: 2nd September 2024 – 6th October 2024** | **Module content** | **End of year** |
| **PS4001: Foundations of Paramedic Practice** | Theory Only: The Role of the Paramedic in Modern Healthcare, Professional regulation and the HCPC (professional behaviours, the role of regulatory bodies, fitness to practice process), Infection Prevention and Control (chain of infection, IP + C procedures and risk assessment), Introduction to Clinical Leadership, Biomedical Ethics (Beauchamps’ 4 Principles).  | Theory Only: Introduction to Legal Principles in Paramedic Practice (Informed Consent, MCA), Best-Interest Decisions (DNARs, ADRTs, LPAs), Medical Ethics Recap, The Biopsychosocial Model, Vulnerable Groups, Safeguarding (Key legislation, Identifying different forms of abuse, paramedic responsibilities), Communication (Essentials of effective communication, overcoming barriers, conflict resolution)  | Theory Only: Recognising Bias and Human Factors, Assignment Clinic and Tutorials, Feedback and Preparation for Level 5  |
| **PS4002: Evidence Based Practice 1** |  |  |  |
| **PS4003: Practice Education 1** | Theory only: communication; psychological and physical resilience; reflection (inc reflective cycles / models); history-taking (inc SAMPLE, OLDCARTS, SOCRATES, PQRST, PMH, FHx, DHx, SHx); practice assessment document (PAD) & portfolio; handovers & ATMIST | Theory & practicals: cardiovascular, respiratory, GU/GI & neuro history-taking & assessment (inc inspection, palpation, percussion & auscultation of each system); neonatal BLS; paediatric BLS | Theory & practicals: major incident structure & roles (JESIP, TST, METHANE, RAR, triage trails); trauma equipment & context for use (inc haemostatic gauze, blast bandages, CAT tourniquets, pelvic binders & Kendrick traction splints); major trauma scenarios |
| **PS4004: Foundations of Anatomy and Physiology to Support Clinical Practice** | Cells, homeostasis, fluid balance, CVS A&P including cardiac cycle, cardiac conduction system, introduction to the physiology of the normal ECG, what each element of the ECG represents (e.g. P wave = atrial depolarisation), 3– lead analysis using the 12 – point plan, basic introduction to conduction problems (e.g. Prolonged PR interval = AV node issue). Respiratory A&P, inc. mechanics of breathing, internal/external respiration etc. The endocrine system: glands and hormones. Nervous system A&P. Digestive system A&P. Integumentary system A&P. | Urinary system A&P, MSK A&P, anatomical and physiological differences in children, Pregnancy: trimesters, anatomical and physiological changes during, the mechanics of labour and childbirth. Introduction to the immune system, introduction to genetics. | Age-related changes/physiology of ageing, physiology of pain, ECGs recap and an introduction to 12 leads, including territories and the areas of the heart muscle represented by each.  |
| **PS4006: Skills and Simulation 1** | Theory and Practical sessions. Clinical obs including 12 lead ECG placement and manual BP. Introduction to history taking and patient specific communication differences. Recognising normal obs values for adults. Administration of medication via various oxygen masks, nebulisation, nasal atomisation, subligual administration, IM injection. Drugs safety checks, consenting and administration. Initial approach to scenes including scene safety. Recognition of cardiac arrest using SMART approach and <C>ABC. Effective adult CPR. Defibrillation pad placement and defib safety. Use of Zoll monitors for manual defibrillation. Recognition and management of cardiac arrest rhythms (PEA, pVT, VF and asystole) with manual shock strategy. Indications, contraindications, sizing, insertion and safe removal of OPAs, NPAs and iGels. Ventilation using a BVM and C-E grip techniques at appropriate rates. Ability to check adjunct placement and build airway circuit.  |  |  |

**YEAR 2**

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| **Module code and title** | **Module content** | **SWASFT placement block one: 15th April 2024 – 2nd June 2024** | **Module content** | **SWASFT placement block two: 29th July 2024 – 20th October 2024** | **Module content** | **End of year** |
| **PS5001: Pathophysiology for Paramedic Practice** | Pathophysiology of all systemsCV – atherosclerosis including thromboembolism; ACS; heart failure; cardiomyopathy; aneurysms; blood pressure; shockRespiratory – COPD; asthma; pneumonia; infections; pneumothoraxNeuro – dementia; seizures; CVA/TIA; head injury; Endocrine – diabetes; addison’sGI – liver disease; cholecystitis; appendicitis; ulcers; oesophageal varices; portal HTN; ascites; obstructionGU – infection; AKI; CKDMSK – fractures; osteoporosis; rhabdomyolysis;  |  |  |
| **PS5002: Evidence Based Practice 2** | Theory only: research critiquing tools; literature reviews; methodologies; study designs; sampling; data collection; data analysis; discussion; results |  |  |
| **PS5003: Practice Education 2** |  |  |  |
| **PS5004: Applied Pharmacology** |  | Pharmacokinetics and pharmacodynamics; drug law; JRCALC drugs; adverse drug reactions |  |
| **PS5005: Emergency Mental Health** | Second Semester Module | Applied mental health legislation (MH Act, Mental Capacity Act, Crisis Care Concordat, No Health Without Mental Health); Anxiety Disorders (OCD, PTSD, panic disorders, agoraphobia); Mood Disorders (Depression, Bi-Polar Disorders, Mania); Complex Emotional Needs (Personality Disorders, Dissociation, PNES); Psychosis (Schizophrenia, Substance-Induced Psychosis, ABD); Personal Resilience & Mental Wellbeing for the Clinician; Communication & Assessment Strategies; Mental Illness Simulations (held w/c 02/09) | Current & future Innovations in pre-hospital mental health care, including specialist resources; mental illness in the older adult (dementia & Alzheimer’s disease, anxiety & depression, substance misuse); mental illness in pregnancy (OCD, substance abuse, post-partum psychosis, post-natal depression, factitious disorder by proxy – babies); mental illness in children (anxiety & depression, ADHD & autism, eating disorders, factitious disorder by proxy) |
| **PS5006: Skills and Simulation 2** | Advanced Patient Assessment Theory & Practical:CV (heart sounds, JVP, Levine’s sign, carotid bruits, heaves, thrills, sacral & lower leg pitting oedema)RS (lung sounds, breathing pattern, cyanosis, gland palpation, vocal & tactile fremitus, percussion)AS (6Fs, appendicitis tests, murphy’s sign, liver & spleen palpation, aorta palpation, asterixis, palmar erythema)NSTrauma assessment in children (<C>ABCDE) & basic wound managementIV, IO & Needle Chest Decompression skills & videosAssessment & Management of Obstetric Emergencies (Normal Birth, Breech, Cord Prolapse, Shoulder Dystocia, PPH, NLS)  | Advanced Life Support & Post-ROSC Assessment (incl. advanced rhythm recognition, manual defibrillation, CRM & human factors, pitcrew approach, vascular access, reversible causes, CPR-induced consciousness capnography, ABDCE approach, post-ROSC adrenaline); Paediatric Advanced Life Support (incl. Drug preparation & post-ROSC assessment); The Deteriorating Medical Patient (adult & child ABCDE assessment, simulations); Formative ALS & PALS OSCEs | I-gel troubleshooting, Difficult Airway Prediction, Tracheostomy & Laryngectomy Emergencies; ALS & PALS Simulations; ALS & PALS OSCEs; Special Circumstances in Resuscitation (asthma, overdose, hypothermia, pregnancy, drowning, TCA); Complex & Major Incident Management (legal principles (duties of care, civil contingencies act, police & FRS roles, scene assessment, windscreen reports, Remove, Remove, Remove, RAR, CCP/CCS Set-up, DVA & MTA Approaches, radio call based METHANEs, TST mini-incident simulation, scene management tabletop)  |

**YEAR 3**

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| **Module code and title** | **Module content** | **SWASFT placement block one: 19th February 2024 – 14th April 2024** | **Module content** | **SWASFT placement block two: 15th July 2024 – 28th July 2024** | **Module content** | **SWASFT placement block three: 21st October 2024 - 1st December 2024** | **End of year** |
| **PS6001: Leading and Managing Service** |  |  | Intro to the structural organisation of the NHS. Leading a large organisation, organisational behaviour, inc organisational culture, transforming care for MH, LD, children and young people, data in healthcare, change management, clinical governance. |
| **PS6002: Facilitating Learning in the Workplace** | Intro to practice education and becoming a practice educator. The role and responsibilities of the PEd.Creating an effective learning environment, psychosocial aspects, including PED/Student relationship and expectations, the physical learning environment, organisational factors. | The arts of teaching and learning, including t&l theories, skills acquisition theories. Assessment and feedback, supporting the underachieving or failing learner, how to write an action plan. The failing to fail phenomenon, inclusive learning. |  |
| **PS6003: Practice Education 3** | Major Incident Exercise |  | Toxidromes, final complex & major incident updates |
| **PS6004: Driving Change in Practice** |  |  |  |
| **PS6005: Management of Trauma** | * Minor MSK injury upper lower limb inc Ottawa Rules for foot/ankle/knee
* Back injury inc CES
* Scene Assessment in trauma
* Wound dressings/major haemorrhage control
* Mechanisms of Trauma
* C spine considerations/immobilisation
* Managing an Airway in Trauma
* Thoracic trauma inc Chest decompression skills sign off
* Management of Circulation including permissive hypotension
* Head injury
* Secondary survey/patient packaging
* Hypo/hyperthermia
* NAI
* Paed v adult trauma considerations
* Obstetric trauma
* Burns
* Additional skills inc Ventilators/ETI/Needle crich skills sign off

 The majority of the above were taught with a combination of theory and practical scenarios |  |  |
| **PS6006: Management of Minor Illness** |  |  | Theory and Practical Skills sessions: Advancing history taking and clinical investigation skills with a focus on Primary and Urgent care aspects of prehospital practice. Wide range of less acute conditions taught as well as more specialist skills. Covers all systems with relation to all age groups. Simulations of assessments with greater emphasis on safely managing risk and weighing up diagnostic factors to follow best pathway for patient. Consideration of red flags and strength of evidence for ruling in/out of diagnostic process. |