### MPT Student Academic Preparation for Clinical Placements

Note: Academic course outlines are accessible on password protected Clinical Education website [www.uwo.ca/fhs/pt/](http://www.uwo.ca/fhs/pt/) (right side bar)

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| **PT 9581 (1st year)**<br>Junior level<br>June/July | a. Anatomy/Neuroanatomy & Physiology/Functional Anatomy/Cardiorespiratory Physiology  
b. Professional Practice  
c. Critical Appraisal & Evidence-Based Practice  
d. Foundations of PT – inflammation & healing, gait aids, pain, exercise, modalities, development & aging, biomechanics  
e. Integrated Assessment – history, problem list/goals, SOAP charting, gait, goniometry, lifts/transfers, functional (e.g., FIM, COVS), MMT, BP/HR/RR, posture, balance (e.g. Berg, TUG), neurological (e.g. tone, sensation, etc.).  
f. Regional Assessment - selective tissues tension testing; myotomes & dermatomes; types of pain; levels of irritability; end-feels; capsular patterns of restriction  
g. Regional Treatment – stages of healing, manual therapy, therapeutic exercise, patient education, electrotherapy (US, EMG, laser)  
h. Community I – inter-disciplinary care, outcome measures (eg six min walk), screening tools (eg. CRQ, Barthel), ALS/Parkinson’s/MS, COPD/Asthma, CP/spina bifida/MD, OA/RA/ankylosing spondylitis, alzheimer’s  
i. Rehab I – CVA, Amputees, Neuromuscular Disease (eg GBS), SCI/Paraplegia  
j. Acute Care I – CVA, cardiopulmonary (pneumonia, abdominal surgery/lobectomy, MI/CHF/cardiac rehab, PVD/amputees, hip & tibial plateau fracture, hip/knee/shoulder arthroplasty, cervical fusion  
k. Clinics I – assessment & treatment basic MSK conditions | □ Students experience a variety of emotional reactions to clinical situations  
□ Varying degrees of self-confidence  
□ Recognize challenges in applying knowledge, skills and professional behaviours in practice settings and the health care environment  
□ Begin to recognize importance of good communication with clients  
□ Recognizing hands-on experience as important | □ Hands on assessment, treatment, technical skills; documentation, communication, professional behaviors and safety.  
□ Simple cases  
□ 30 – 40 % graduate PT caseload |
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| PT 9582 (2nd year)      | a. **Rehab II** – SCI/Quadriplegia, ABI, HIV/AIDS, Oncology/Palliative Care  
                        | b. **Acute Care II** – Critical Care, SCI/Quadriplegia, ABI, Multiple Trauma, ARDS/IRDS, Burns  
                        | c. **Clinics II** – advanced assessment & treatment of MSK conditions  
                        | d. **Therapeutic Modalities** – electrotherapy (eg FES, NMES, IFC, HVPC), compression therapy, wound care, U/S, biofeedback  
                        | e. **Research Experience** (begins, continues until prior to PT9585)                                                 | □ See PT9581  
                        | □ Some students beginning to recognize challenges of providing client-centred and equitable practice.  
                        | □ Some students beginning to recognize importance of communication with team members, family and CIs  
                        | □ See PT9581  
                        | □ Hands on assessment, treatment, technical skills; documentation, communication, professional behaviors and safety.  
                        | □ Simple cases  
                        | □ 40 – 50% graduate PT caseload                                                                                         |
| PT 9583 (2nd year)      | a. **Business and Entrepreneurship**  
                        | b. **Community II** – CCAC, diabetes, falls prevention, OA, chronic pain, burns, occupational health/ergonomics/RSI  
                        | c. **Manual Therapy**  
                        | d. Electives (not all offered each year, two required) – **Sports Therapy** (most students enroll), Pain, Pharmacology, Pediatrics, Women’s Health, Exercise in Special Populations, Motor Control, Advanced Therapeutic Modalities (Wounds) | □ **PT 9583** – Student confidence in performance more variable, some feel near entry level while others feel closer to junior level  
                        | □ **PT 9584** – Students at a more similar level regarding skills, knowledge, behavior & clinical reasoning with improved self-confidence  
                        | □ **PT 9583** – More complex cases  
                        | □ 50 – 60% graduate PT caseload                                                                                         |
| PT 9584 (2nd year)      | a. **Research Experience** – completion of research experience begun prior to PT 9582  
                        | b. **Professional Consolidation** – professional practice including professional development needs, professional portfolio, student supervision  
                        | c. **Grand OSCE/PCE Preparation**                                                                                      | □ **PT 9584** – More complex cases  
                        | □ Focus on clinical reasoning (diagnosis, plan of care, independence)  
                        | □ Interprofessional  
                        | □ 60 – 75 % graduate PT caseload                                                                                         |
| PT 9585 (2nd year)      | a. **Research Experience** – completion of research experience begun prior to PT 9582  
                        | b. **Professional Consolidation** – professional practice including professional development needs, professional portfolio, student supervision  
                        | c. **Grand OSCE/PCE Preparation**                                                                                      | □ **PT 9584** – More complex cases  
                        | □ Focus on clinical reasoning (diagnosis, plan of care, independence)  
                        | □ Increased awareness of professional issues in context of practice settings  
                        | □ 75 – 90 % graduate PT caseload                                                                                         |