

SUBJECT OUTLINE



Subject Name:

Integrated Myotherapy Techniques

Subject Code:

MSTT327

SECTION 1 - GENERAL INFORMATION

Award/s:	Bachelor of Health Science (Myotherapy)	Total Course Credit Points:	96	Level:	3 rd Year
Duration:	1 Semester				
Subject Coordinator:	Paul Attenborough (Melbourne campus)				
Subject is:	Core	Subject Credit Points:	2		

Student Workload:

No. timetabled hours per week:	No. personal study hours per week:	Total hours per week:
3	2	5

Delivery Mode:

Face to Face 1 x 3 hour practical

(On campus)

Intensive Delivery Contact hours are delivered over 3 weeks with 2 x 6 hour days delivered per week

(Summer School) Content: Practical

Assessment: Attendance - Weeks 1-3; Online Quiz - Week 2; Final Practical Assessment - Week 3 (in an additional session); Literature Review - Week 5

Full Time

Part Time

Pre-requisites: BIOE221, BIOS222, MSTE311, MSTC314, MSTT315, MSTT316

Co-requisites: MSTS323

Special Resource Requirements:

1 bath-sheet sized towel per student (clinic towels must not be used)

Closed-toe leather footwear

Kit items include:

- Buck reflex hammer
- Goniometer
- Measuring tape
- Mulligan belt
- Myofascial release balm
- Pen light
- Sphygmomanometer
- Stethoscope
- Tuning fork (128 Hz)

SECTION 2 – ACADEMIC DETAILS

Subject Rationale

This subject's purpose is to consolidate and increase students' knowledge and skills in diagnosis, assessment, treatment, rehabilitation and prevention of musculoskeletal pathologies. The subject will introduce the theory and application of lab testing and diagnostic imaging, and students are taught to interpret imaging reports.

Learning Outcomes

1. Compare and contrast clinical signs and symptoms to arrive at accurate differential diagnoses.
2. Construct an integrated treatment plan based on an accurate working diagnosis.
3. Interpret findings of radiographic imaging reports and lab test results for any given case study.
4. Apply an integrative myotherapy therapeutic approach relative to clinical signs and symptoms.
5. Appraise the evidence relating to the efficacy of myotherapy therapeutic interventions in the treatment of common musculoskeletal conditions.

Assessment Tasks

Type	Learning Outcomes Assessed	Session Content Delivered	Due	Weighting
Attendance (80% required)	N/A	N/A	Sessions 1-13	Pass/Fail
Online Quiz (1 hour)	3	1-6	Week 8	20%
Literature Review (2500 words)	5	1-11	Week 12	30%
Final Practical Exam (1 hour)	1-4	1-13	Practical Examination Period	50%

All written assessments and online quizzes are due at 11:55 p.m. and submitted through the LMS

Prescribed Readings:

1. Pagana, K., & Pagana, T. (2013). *Mosby's manual of diagnostic and laboratory tests* (5th ed.). St. Louis, MO: Elsevier.

Recommended Readings:

1. Hengeveld, E., & Banks, K. (Eds.). (2014a). *Maitland's peripheral manipulation: Management of neuromusculoskeletal disorders* (5th ed., Vol. 2). Edinburgh, England: Churchill Livingstone Elsevier. [eBook available]
2. Hengeveld, E., & Banks, K. (Eds.). (2014b). *Maitland's vertebral manipulation: Management neuromusculoskeletal disorders* (8th ed., Vol. 1). Edinburgh, England: Churchill Livingstone Elsevier. [eBook available]
3. Pope, T., Bloem, H. L., Beltran, J., Morrison, W. B., & Wilson, D. J. (2014). *Musculoskeletal imaging* (2nd ed.). Sydney, NSW: Saunders Elsevier.

Subject Content

Week	Practicals
1.	Integrative Clinical Examination of Musculoskeletal and Neurological Conditions <ul style="list-style-type: none"> • Principles of clinical examination incorporating lab testing and radiology • Principles of lab testing • Interpreting basic lab tests and reports

2.	<p>Integrative Clinical Examination of Musculoskeletal and Neurological Conditions</p> <ul style="list-style-type: none"> • Scope of practice in regards to diagnostic imaging • Radiographic imaging • Diagnostic ultrasound • Utilising a diagnostic framework • Interpretation of imaging reports <p>Case Study Application</p> <ul style="list-style-type: none"> • Writing a referral letter when imaging may be required
3.	<p>Integrative Clinical Examination of Musculoskeletal and Neurological Conditions</p> <ul style="list-style-type: none"> • Magnetic resonance imaging • Computed tomography • Examining clinical evidence with respect to diagnostic imaging reports <p>Case Study Application</p>
4.	<p>Writing a Literature Review</p> <ul style="list-style-type: none"> • Library visit • Search strategies • Integrating information
5.	<p>Integrative Clinical Examination and Treatment of the Cervical Spine</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination and Treatment of Chronic and Neuropathic Pain</p> <ul style="list-style-type: none"> • Fibromyalgia • Migraine <p>Case Study Application</p>
6.	<p>Integrative Clinical Examination and Treatment of the Thorax</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination and Treatment of Autoimmune Conditions</p> <ul style="list-style-type: none"> • Systemic lupus erythematosus • Ankylosing spondylitis <p>Case Study Application</p>
7.	<p>Integrative Clinical Examination and Treatment of the Lumbar Spine and Pelvis</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination and Treatment of Chronic and Neuropathic Pain</p> <ul style="list-style-type: none"> • Low back pain • Degenerative disc disease <p>Case Study Application</p>
<p>NON-TEACHING WEEK (note that make-up classes may be scheduled in this week)</p> <p>Semester 1 - This aligns with the week after Easter so it may fall between Weeks 6 to 8</p> <p>Semester 2 - The non-teaching week falls between Weeks 7 and 8</p>	

8.	<p>Integrative Clinical Examination and Treatment of the Shoulder</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination and Treatment of Cardiovascular Disease</p> <ul style="list-style-type: none"> • Hypertension • Stroke <p>Case Study Application</p> <ul style="list-style-type: none"> • Writing regarding client progress after referral or for multidisciplinary care <p>Online Quiz</p> <ul style="list-style-type: none"> • Mid-semester quiz due this week
9.	<p>Integrative Clinical Examination of the Elbow and Wrist</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination and Treatment of Autoimmune conditions</p> <ul style="list-style-type: none"> • Rheumatoid and psoriatic arthritis • Multiple sclerosis <p>Case Study Application</p> <ul style="list-style-type: none"> • Writing a referral letter for further care or assessment
10.	<p>Integrative Clinical Examination and Treatment of the Hip</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination and Treatment of Endocrine Disorders</p> <ul style="list-style-type: none"> • Osteoporosis • Thyroid disease <p>Case Study Application</p>
11.	<p>Integrative Clinical Examination and Treatment of the Knee</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination and Treatment of Cardiovascular Disease</p> <ul style="list-style-type: none"> • Peripheral artery disease • Deep vein thrombosis <p>Case Study Application</p>
12.	<p>Integrative Clinical Examination and Treatment of the Ankle & Foot</p> <ul style="list-style-type: none"> • Lab testing and imaging considerations • Examination framework • Therapeutic interventions <p>Integrative Clinical Examination of Endocrine Disorders</p> <ul style="list-style-type: none"> • Diabetes Mellitus • Gout <p>Case Study Application</p>
13.	<p>Revision of Integrative Clinical Examination and Treatment of the Body</p> <ul style="list-style-type: none"> • Clinical reasoning skills <p>Case Study Application</p>

14.	Non-Teaching Week/Practical Examination Week 1 Note that make-up classes may be scheduled in this week
15.	Non-Teaching Week/Practical Examination Week 2 Note that make-up classes may be scheduled in this week
16.	Final Examination Week 1 There is no final exam for this subject
17.	Final Examination Week 2 There is no final exam for this subject