

SUBJECT OUTLINE



Subject Name:

Clinical Examination

Subject Code:

BIOE221

SECTION 1 – GENERAL INFORMATION

Award/s:	Total course credit points:	Level:
Bachelor of Health Science (Naturopathy)	128	3 rd Year
Bachelor of Health Science (Acupuncture)	128	3 rd Year
Bachelor of Health Science (Nutritional and Dietetic Medicine)	96	2 nd Year
Bachelor of Health Science (Myotherapy)	96	2 nd Year
Duration: 1 Semester		
Subject Coordinator: Mark Payne (Melbourne campus)		
Subject is: Core	Subject Credit Points: 2	

Student Workload:

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

Face to face	1 hour lecture	2 hour practical
Intensive Delivery	Details:	Summer School - contact hours are delivered over 5 weeks with 2 x 4 hour days delivered per week. Assessment: Skill development for the Summer School intensive delivery is assessed in class. Practical Exams for the Summer School are completed in Weeks 2, 3, and 5. Final written exam is conducted in Week 6 of summer school.
Full Time		
Part Time		

Pre-requisites: BIOH122

Co-requisites: BIOC211

Special resource requirements: Details: Stethoscope, sphygmomanometer, thermometer, otoscope, Reflex Hammer, measuring tape, time piece with second-hand, pen torch and 1 bath-sheet sized towel per student (Clinic towels must not be used)

SECTION 2 – ACADEMIC DETAILS

Subject Rationale

This subject teaches students the theory and practical skills for clinical examination and assessment of the client using conventional medical diagnostic techniques with common examination tools. These skills are essential to the clinical competence of health professionals regardless of discipline. Students are required to practice examination procedures on each other in a supervised setting, learning appropriate regard for privacy and personal boundaries as well as appropriate occupational health and safety practices. The subject supports students to develop their interpersonal and communication skills for the clinical setting and consolidates all previous bioscience learning.

Learning Outcomes

1. Identify different physical examination techniques used for gathering clinical information as well as for monitoring progress.
2. Accurately perform a variety of physical examination techniques including use of appropriate equipment.
3. Interpret results of history taking, physical and mental state examination and investigations and identify correct physical examination technique for diagnosis.

4. Apply general principles and specific knowledge of clinical examination techniques to a variety of clinical situations.

Assessment Tasks				
Type	Learning Outcomes Assessed	Weeks Content Delivered	Week Due	Weighting
Skill Development (attendance at 8 of 10 teaching sessions and active participation required)	1-4	1-4, 6-7, 9-12	1-4, 6-7, 9-12	Pass/Fail
Practical Exam 1	2-4	1-3	5	20%
Practical Exam 2	2-4	4, 6, 7	8	20%
Practical Exam 3	2-4	9-11	13	20%
Final Exam (2 hours)	1,3,4	1-13	Final Exam Period	40%
The overall passing mark for this subject is 50%.				

Prescribed readings:

1. Jarvis, C. (2016). *Physical Examination & Health Assessment* (7th ed.). St Louis, MO: Elsevier. [ebook available]

Recommended readings:

1. Colledge, N. R., Walker, B. R., & Ralston, S. H. (2014). *Davidson's principles & practice of medicine* (22nd ed.). Edinburgh, Scotland: Churchill Livingstone Elsevier. [ebook available]
2. Crowley, L. V. (2013). *An introduction to human disease: Pathology and pathophysiology correlations* (9th ed.). Burlington, MA: Jones & Bartlett Learning.
3. Douglas, G., Nicol, F., & Robertson, C. (2013). *MacLeod's clinical examination* (13th ed.). Edinburgh, Scotland: Churchill Livingstone Elsevier. [ebook available]
4. Jamison, J. R. (2006). *Differential diagnosis for primary practice: A handbook for health care practitioners* (2nd ed.). Edinburgh, Scotland: Churchill Livingstone Elsevier.
5. Jarvis, C. (2012). *Pocket companion for physical examination & health assessment* (6th ed.). St Louis, MO: Elsevier Saunders. [ebook available]
6. Talley, N. J. & O'Conner, S. (2013). *Clinical examination: A systematic guide to physical diagnosis* (7th ed.). Sydney, Australia: Churchill Livingstone Elsevier. [ebook available]
7. Tortora, G. J., & Derrickson, B. (2014). *Principles of anatomy and physiology* (14th ed.). Danvers, MA: Wiley.
8. VanMeter, K. C., & Hubert, R. J. (2014). *Gould's pathophysiology for the health professions* (5th ed.). St Louis, MO: Saunders Elsevier. [ebook available]

Subject Content		
Week	Lecture	Practical
1.	The Interview and Health History; Assessment techniques and the ethical approach to the clinical examination: <ul style="list-style-type: none"> • General examination • Measurement • Weight and Height 	Supervised practice of demonstrated techniques: <ul style="list-style-type: none"> Temperature Pulses Respirations

	Vital signs: <ul style="list-style-type: none"> • Temperature • Pulses • Respirations Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Inspection and palpation 	
2.	Vital Signs & Peripheries: <ul style="list-style-type: none"> • Blood Pressure lying and standing • Skin, Hair and Nails capillary refill • Peripheral vascular system mobility, turgor and oedema Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Inspection palpation and auscultation 	Supervised practice of demonstrated techniques and ongoing testing of prior material: Blood Pressure lying and standing Examination of skin, hair, nails, capillary refill Peripheral vascular system mobility, turgor and oedema
3.	Examination of the Head and Neck: <ul style="list-style-type: none"> • Eyes • Mouth, throat, thyroid, lymph nodes and ears Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Inspection, palpation, and auscultation 	Supervised student practice of demonstrated techniques: Eye examination – external Examination of the Head and Neck including mouth, throat, thyroid, lymph nodes and ears
4.	Thoracic examinations: Lower respiratory tract – lungs and bronchi <ul style="list-style-type: none"> • Respiratory examination Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Inspection palpation, percussion and auscultation 	Supervised student practice of demonstrated techniques: Respiratory examination
5.	Practical Exam 1: <ul style="list-style-type: none"> • Vital Signs, all pulses, peripheries and skin • Head and Neck 	
6.	The Abdomen examination: Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Inspection • Palpation • Percussion • Auscultation 	Supervised practice of demonstrated techniques
7.	Workshop: The clinical approach through case studies <ul style="list-style-type: none"> • Common symptomology • Developing differential diagnosis • Selecting examination techniques 	
NON-TEACHING WEEK Semester 1 - This aligns with the week after Easter so it may fall between weeks 6 to 8. Semester 2 & Online students - The break week falls between Weeks 7 and 8.		
8.	Practical Exam 2: <ul style="list-style-type: none"> • Abdominal examination • Thoracic examination 	
9.	Neurological examination – Part 1: Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Inspection, palpation and special tests • Cranial nerve tests 	Supervised practice of demonstrated techniques and ongoing testing of prior material: Neurological assessment Case studies

10.	Neurological examination – Part 2: Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Reflex Testing 	Supervised practice of demonstrated techniques: <ul style="list-style-type: none"> • Reflex assessment
11.	Musculoskeletal examinations: Demonstration of appropriate techniques: <ul style="list-style-type: none"> • Inspection • Palpation • Range of motion • Muscle testing 	Supervised practice of demonstrated techniques: Musculoskeletal examinations
12.	Clinical examination in practice – Putting it all together: Use of case studies to critical analyse and identify the most appropriate examinations: <ol style="list-style-type: none"> a) The Primary system(s) and relevant examinations to be performed b) The Secondary system(s) and relevant examinations to be performed Supervised student practice for a case study and the performance of the relevant clinical examinations.	
13.	Practical Exam 3: <ul style="list-style-type: none"> • Neurological examination • Musculoskeletal examination 	
14.	Non-Teaching Week/Practical Exam Week 1. Note that make-up classes may be scheduled in this week.	
15.	Non-Teaching Week/Practical Exam Week 2. Note that make-up classes may be scheduled in this week.	
16-17.	Final Exam Weeks 1 & 2 Please refer to the Exam Timetable for your local campus for the exact day and time of exam.	