

SUBJECT OUTLINE



Subject Name:

Nutritional Medicine Clinical Skills

Subject Code:

HMCL222

SECTION 1 - GENERAL INFORMATION

Award/s:	Bachelor of Health Science (Nutritional and Dietetic Medicine)	Total Course Credit Points: 96	Level: 2 nd Year
Duration:	1 Semester		
Subject Coordinator:	Judith Magee (Gold Coast 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 (On campus) 1 x 3 hour session, including lecture and workshop

Intensive Delivery (Summer School) Contact hours are delivered over 5 weeks with 2 x 4 hour days delivered per week
Content: Combination lecture and workshop activities

Assessment: Continuous Skill Development - Weeks 1-5; Case Study Analysis Part 1 - Week 3; Case Study Analysis Part 2 - Week 5; Dispensary Informatics Screencast - Week 5; Final Practical Exam - Week 6

Full Time

Part Time

Pre-requisites: NMDF121, BIOC211, BIOP211, HMCL211

Co-requisites: BIOE221, NMDC221, BIOS222, HMCL223

Special Resource Requirements:

Professional Dress Standards as described by [Wellnation Clinic Student Handbook](#) (Week 7 onwards)

[Wellnation Clinic Student Handbook](#)

WWCC (or its equivalent) for the location in which subject is undertaken as per [Working with Children Check Policy](#)

Kit items include:

- Measuring tape
- Otoscope
- Penlight
- Percussion reflex hammer
- Stethoscope
- Sphygmomanometer
- Thermometer
- Timing device

SECTION 2 – ACADEMIC DETAILS

Subject Rationale

Nutritional Medicine Clinical Skills focuses on the integration of academic knowledge, clinical skills, case analysis and the holistic application of evidence-based principles (EBP). Blending classroom work with practical case taking exercises, observation of fellow students taking cases and clinical case discussion, students will develop their critical thinking, written and verbal communication, client-practitioner rapport, clinical case taking and the integration of clinical examination techniques. This subject further progresses students' ability to develop treatment plans that are reflective of holistic principles, 'best-practice' EBP and mechanisms to evaluate change or outcome. Additionally, students will be introduced to the 'Wellnation' student clinic, including forms used, computer system and time management expectations.

Learning Outcomes

1. Integrate academic knowledge, practical clinical skills and provide a 'client-centered' delivery of holistic nutritional medicine, including application of evidence-based principles (EBP).
2. Demonstrate professional written and oral communication and thorough case taking techniques, appropriate record keeping and familiarisation with student clinic protocols and procedures.
3. Demonstrate excellence in case analysis and the ability to make therapeutic recommendations based on the integration of research findings, clinical expertise and client preferences.
4. Use holistic principles to develop appropriate treatment plans that address treatment aims and goals.

Assessment Tasks

Type	Learning Outcomes Assessed	Session Content Delivered	Due	Weighting
Continuous Skill Development (100% attendance and active participation required)	1-4	1-13	Sessions 1-13	Pass/Fail
Case Study Analysis Part 1 (750-1000 words)	1-2	1-6	Week 6	25%
Case Study Analysis Part 2 and Treatment Plan (1000-1200 words)	1-4	1-10	Week 11	35%
Dispensary Informatics Screenshot open-response question (100 words)	1	1-4	Week 13	Pass/Fail
Final Practical Exam (2 hours)	1-4	1-13	Practical Examination Period	40%

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

The overall pass rate for this subject is 50%

Prescribed Readings:

1. Jarvis, C. (2015). *Physical examination & health assessment* (7th ed.). St Louis, MO: Elsevier. [ebook available]
2. Lloyd, I. (2009). *The energetics of health: A naturopathic assessment*. Edinburgh, Scotland: Churchill Livingstone Elsevier. [ebook available]

Recommended Readings:

1. Chabner, D. (2017). *The language of medicine* (11th ed.). St Louis, MO: Elsevier Saunders.
2. Galvin, K., & Bishop, M. (2010). *Case studies for complementary therapists: A collaborative approach*. Sydney, NSW: Churchill Livingstone Elsevier. [ebook available]
3. Hechtman, L. (2014). *Clinical naturopathic medicine*. Sydney, NSW: Churchill Livingstone Elsevier. [ebook available]
4. Leach, M. (2010). *Clinical decision making in complementary & alternative medicine*. Sydney, NSW: Churchill Livingstone Elsevier. [ebook available]
5. Sarris, J., & Wardle, J. (Eds.). (2014). *Clinical naturopathy: An evidence-based guide to practice* (2nd ed.). Sydney, NSW: Churchill Livingstone Elsevier. [ebook available]
6. Whitney, E., Rolfes, S. R., Crowe, T., Cameron-Smith, D., & Walsh, A. (2016). *Understanding nutrition, Australia and New Zealand edition* (3rd ed.). South Melbourne, VIC: Cengage Learning.

Subject Content	
Week	Lectures
1.	Introduction (Subject Outline / Subject Aims / Assessment / Teaching Resources) Introduction to Clinical Skills <ul style="list-style-type: none"> • SOAP algorithm (review HMCL211) • Objective (O) data within SOAP algorithm • Review of physical examinations, including tongue and nail assessment • Laboratory evaluations, including functional testing, salivary, urinary and stool studies and working with conventional evaluations • Clinical usage of questionnaires and diet diaries • Role of screening and confirmation tests
2.	Assessment (A): Synthesis of Subjective and Objective Data <ul style="list-style-type: none"> • Case taking for presenting and elicited complaints within holistic context and philosophy, including practical application of the therapeutic order • Inclusion of review of systems, causative/contributing and timeline factors and personal and family history • Incorporate subjective, objective data and diagnostic information • Introduction to case analysis methodologies
3.	Assessment (A): Synthesis of Subjective and Objective Data (continued) <ul style="list-style-type: none"> • Continuation of case analysis, including usage of schematics, development of synopsis/narrative, working diagnosis (WD) and differential diagnosis (DD) • Identify organ and body system interactions • Application of evidence based research principles • Development of relevant treatment aims, which are reflective of holistic context and philosophy • Determining relevant measurable outcomes and utility of validated tools
4.	Plan (P): Implementing Therapeutic Strategies <ul style="list-style-type: none"> • Implementation of treatment plan (TP), including introduction to 'Wellnation' program • Prevention • Individualised care • Treatment implications, indications and limitations • Consideration of depth of disease • Obstacles to cure • Client education • Lifestyle modification and goal setting

5.	Plan (P): Implementing Therapeutic Strategies (continued) <ul style="list-style-type: none"> Follow-up process: Reviewing & revising treatment plans Compiling problem lists “Peeling back the layers” Review of timelines and expected outcomes Determine level of self-efficacy to optimise self-management Utilising evidence-based medicine and lowest risk strategies
6.	Plan (P): Applying Holistic Principles and Integrated Medicine Management <ul style="list-style-type: none"> Written and oral presentation of case analysis including case synopsis, WD, DD and TP Establishing and maintaining collaborative partnerships Identifying and relevant referral pathways Preparation for Client Management Workshops <ul style="list-style-type: none"> For remaining sessions, all students are required to dress in professional business attire as outlined in the <i>Professional Dress Standards</i> section of the <i>Wellnation Clinic Student Handbook</i>.
7.	Client Management Workshop (Sessions 7-13) Case analysis & management <ul style="list-style-type: none"> Each session, students will take the case of a real client presenting with a health condition that relates to one or more of the major body systems (e.g. gastrointestinal, neurological, respiratory, endocrine) Students will be observed whilst they <ul style="list-style-type: none"> Gather a complete case history from the client Obtain or identify further needed objective data (physical examinations, laboratory or other diagnostic evaluations – tongue and nail indicators) pertinent to establish an accurate assessment of the client’s presenting and underlying condition(s) Complete a case analysis including a detailed schematic, a summary synopsis, working diagnosis, differential diagnosis/s and identify any risk or ‘red flag’ aspects which may benefit from referral or medical assessment Practice developing potential therapeutic plans: including an overall treatment strategy including short- and long-term aims, measurable and expected outcomes, and estimated time-frames, appropriate follow-up and pertinent client education
NON-TEACHING WEEK (note that make-up classes may be scheduled in this week) Semester 1 - This aligns with the week after Easter so it may fall between Weeks 6 to 8 Semester 2 - The non-teaching week falls between Weeks 7 and 8	
8.	Client Management Workshop (continued) <ul style="list-style-type: none"> As per previous
9.	Client Management Workshop (continued) <ul style="list-style-type: none"> As per previous
10.	Client Management Workshop (continued) <ul style="list-style-type: none"> As per previous
11.	Client Management Workshop (continued) <ul style="list-style-type: none"> As per previous
12.	Client Management Workshop (continued) <ul style="list-style-type: none"> As per previous
13.	Client Management Workshop (continued) <ul style="list-style-type: none"> As per previous Dispensary Internship and Informatics Tutorial
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