



## Subject Outline

<b>Subject Name:</b>	Nutritional Medicine Clinical Practicum 2b
<b>Subject Code:</b>	NMDC324
<b>Award(s):</b>	Bachelor of Health Science (Nutritional Medicine)
<b>Core/ Elective:</b>	Core – 8 credit points
<b>Pre/co-requisites:</b>	NMDC311, SOCI221, NMDA311, NMDD221, NMDD312; pre-req or co-req: NMDC323. Current Apply First Aid Certificate, Working with Children Check (Perth: National Police Certificate)
<b>Student Workload:</b>	156 hours face to face 144 hours self-directed study
<b>Delivery Mode:</b>	<p><b>Face to face</b></p> <ul style="list-style-type: none"> <li>• 3 x 3 hours supervised clinical practicum</li> <li>• 1 x 3 hours clinical workshop</li> </ul> <p><b>Full Time</b></p> <p><b>Part Time</b></p>
<b>Subject Coordinator:</b>	Moira Bradfield (Gold Coast campus)
<b>Subject Rationale:</b>	<ul style="list-style-type: none"> <li>• This unit further integrates accumulated knowledge and skills from previous Nutritional Medicine subjects and their application within a practical clinical setting under a supervisory process.</li> <li>• Students refine their roles and responsibilities associated with the demands of a clinical practitioner.</li> <li>• The supervisor assigned to the clinic observes, monitors and evaluates students in practice to ensure quality and ethical work standards are demonstrated.</li> <li>• Students will be assessed for their professional interaction and communication skills in client case taking that underpin their clinical performance with their supervisors, clinic assistants and student peers.</li> <li>• Students apply evidence-based practice within their case taking to establish treatment aims and nutritional and dietary prescription.</li> <li>• This unit places an emphasis on developing the professional framework initiated from Clinical Practicum 1 by validating an individual's case history through on-going self-reflection.</li> <li>• Through analysis of data students will recognise important aspects of case taking for the purpose of determining appropriate clinical examinations required for the diagnosis.</li> <li>• Nutritional Medicine Clinical Practicum 2b prepares the students to achieve an appropriate professional standard for integration into private clinical practice.</li> <li>• This subject requires 100% attendance.</li> </ul>

**Learning Outcomes:**

1.	Apply nutritional and dietary principles and therapeutics to the clinical management of the client and critically evaluate own performance in this application.
2.	Conduct and observe Nutritional Medicine consultations to elicit clinical data essential for the management of nutritional medicine clients and incorporate the necessary knowledge, skills and attitudes of evidence based practice.
3.	Critically evaluate the data for the purpose of determining appropriate clinical examinations required for the diagnosis.
4.	Establish appropriate treatment aims and complete a nutritional and dietary prescription.
5.	Critically evaluate own theoretical and practical skills with reference to research and evidence-based practices.

**Content:**

Week	Clinic Practicum (3 x 3 hr. Sessions)	Tutorial/Workshop Activities (1 x 3 hr. session)
1-13	<p><b>Introduction to Clinical Practicum (1 x 3 hr. Session)</b></p> <p>Clinic practicum goes from Week 1 to Week 13 with a one week mid-semester break around Weeks 6-8 in Semester 1 (depending on Easter) or between Weeks 7 &amp; 8 in Semester 2.</p> <p>Mid-semester reviews are conducted Weeks 7-9 and students are presented with written and verbal feedback from each supervisor about their performance in clinic in relation to specified rubrics.</p> <p>Final reviews of clinical practicum are conducted in Week 13 and students are presented with further written feedback from each supervisor about their performance in clinic in relation to specified rubrics, and marks are aggregated to provide a single grade.</p> <p>In Clinical Practicum students are evaluated on their ability to apply their knowledge and skills in a professional manner. Therefore students should note that, although helpful, previous success in academic subjects does not guarantee success in Clinical Practicum.</p> <p>During this Clinical Practicum, students will practice under supervision either singly or in pairs:</p> <ul style="list-style-type: none"> <li>• Conducting clinical consultations and observations</li> <li>• Good practitioner-client communication</li> <li>• Give short, oral presentations to supervisor</li> </ul>	<p>In these workshops, discussion focuses on integrated, evidence-informed nutritional medicine strategies for the prevention and treatment of common conditions frequently seen in practice. Students bring de-identified cases from the Teaching Clinic for discussion and analysis, and cases are also provided.</p> <p>Weekly topics include the following:</p> <ul style="list-style-type: none"> <li>• Gastrointestinal conditions</li> <li>• Arthritis and Musculoskeletal conditions</li> <li>• Nervous system conditions</li> <li>• Women's health and menopause</li> <li>• Men's health and andropause</li> <li>• Ageing</li> <li>• Endocrine conditions</li> <li>• Metabolic Syndrome</li> <li>• Autoimmune conditions</li> <li>• Integumentary conditions</li> <li>• Urinary conditions</li> <li>• Weight management</li> <li>• Multiple system conditions</li> </ul>



	<p>and student peers in relation to client management and professional practice</p> <ul style="list-style-type: none"> <li>• Case taking</li> <li>• Clinical examination skills</li> <li>• Interpretation of biomedical and functional test results</li> <li>• Differential diagnosis</li> <li>• Developing individualised treatment plans</li> <li>• Appropriate referral</li> <li>• Presentation to Supervisor and obtaining approval for treatment plan</li> <li>• Office management skill, dispensing and reception duties</li> <li>• Observing all clinic policy and procedure</li> <li>• Participating in debriefing sessions at the conclusion of each clinical practicum to identify any important issues.</li> </ul>	
14.	<b>Non-Teaching Week / Practical Exam Week 1. Note that make-up classes may be scheduled in this week.</b>	
15.	<b>Non-Teaching Week / Practical Exam Week 2. Note that make-up classes may be scheduled in this week.</b>	
16-17.	<b>Final Exam Weeks</b> (there is no final exam for this subject)	

**Set Text Requirements:**

1. Endeavour College of Natural Health white coat with embroidered logo (available from College bookstore).
2. Mahan, K., & Escott-Stump, S. (2016). <i>Krause's food &amp; nutrition care process</i> (14th ed.). Canada: Saunders.
3. Equipment: Thermometer, Sphygmomanometer, Stethoscope, Timing Device, Otoscope, Penlight, Reflex Hammer, Measuring Tape
4. Endeavour Student Clinic Handbook

**Recommended readings:**

1. Braun, L., & Cohen, M. (2014). *Herbs and natural supplements: An evidence based guide* (4th ed. Vols. 1 & 2). Chatswood, NSW: Elsevier Australia. [ebook available]
2. Bryant, B., & Knights, K. (2014). *Pharmacology for health professionals* (4th ed.). South Melbourne, Vic: Mosby Elsevier. [ebook available]
3. Croxford, S., Itsiopoulos, C., Forsyth, A., Belski, R., Thodis, A., Shepherd, S., & Tierney, A. (2015). *Food and nutrition throughout life*. Crows Nest, NSW Allen & Unwin.
4. Gropper, S. S., & Smith, J. L. (2017). *Advanced nutrition and human metabolism* (7th ed.). Belmont, CA: Wadsworth Cengage Learning.
5. Hoffman, T. Bennett, S., & Del Mar, C. (2013). *Evidence-based practice across health professions* (2nd ed.). Sydney, NSW: Churchill Livingstone.



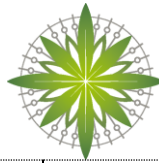
6. Sarris, J., & Wardle, J. (2014). *Clinical naturopathy: An evidence-based guide to practice* (2nd ed.). Sydney, NSW: Churchill Livingstone.
7. Stargrove, M., Treasure, J., & McKee, D. (2008). *Herb, nutrient and drug interactions*. St. Louis, MO: Mosby Elsevier.
8. The Royal College of Pathologist of Australasia, n.d., *RCPA manual*. Retrieved from <http://rcpamanual.edu.au/>
9. 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.

**Library Databases:**

Endeavour Library databases: <https://login.ezproxy.endeavour.edu.au/menu>

**Assessments:**

Assessment Item	Topic/s	Learning Outcome Assessed	Week Content Delivered	Week Due	Weighting
<b>1. Progressive Clinical Assessment</b>	Students are expected to consistently demonstrate the clinical knowledge, skills and judgments necessary for this level of Nutritional Medicine clinical practice. Students clinical practice knowledge, skills, professional and ethical conduct and judgment is therefore progressively assessed with each session. Feedback is provided to the student during the semester.	1-8	1-13	Ongoing in all clinic sessions. Mid-semester review in the week prior to mid-semester break. Final review in Week 13	50%
<b>2. Reflective Clinical and Evidence Based Practice Log</b> 500 words per client, 4 logs required per 39 hrs (12 logs total)	The logs are a summary of case taking, prescription, clinical question and research evidence in relation to the case.	1,2,3	1-12	2-13 Submit one log weekly to alternating supervisors	P/F
<b>Written Assessment for Workshop:</b>					
<b>1. Progressive Assignment Part A: Select a case and provide three (3) differential diagnoses with a</b>	Briefly outline the aetiology and pathophysiology of the case from a western medical point of view. Reference should come from both Recent Medical	1,2,3	1-6	7	25%



<p><b>holistic medicine rationale (diagnosis) for each.</b></p> <p><b>Research each diagnosis and compare and contrast the results.</b></p>	<p>Texts and scientific research.</p>				
<p><b>2. Progressive Assignment Part B:</b></p> <p><b>Revise the entire case based on the contrasted evidence.</b></p> <p><b>Reformulate prescription with prognosis.</b></p>	<p>Re-evaluate the case and provide a treatment goal and protocol based on your contrasted evidence.</p> <p>Provide comprehensive prescription and estimated prognosis.</p>	<p>1,2,3</p>	<p>1-12</p>	<p>13</p>	<p>25%</p>
<p><b>Attendance</b></p>	<p>100% attendance is required</p>				<p>P/F</p>

Important Note: Per the Attendance Policy, all clinic subjects (including clinical skills and clinic workshops) have a 100% attendance requirement. Students can miss up to the equivalent of one full week of scheduled sessions (e.g., can miss two sessions in the semester for a clinic subject that meets twice per week), but *only with a certificate from a qualified health practitioner or an application for Special Consideration*. All missed sessions must be made up by no later than Week 3 of the following semester, although every effort should be made to make up missed sessions before the end of the current semester to avoid receiving an Incomplete grade. Failure to make up missed sessions prior to Week 3 of the following semester will result in conversion of the Incomplete grade to a Failure. *Any student who misses more than the allowable number of sessions in a semester will be required to withdraw from the clinic subject immediately.*