

## Subject Outline

<b>Subject Name:</b>	Nutritional Medicine Clinical Practicum 1
<b>Subject Code:</b>	NMDC311
<b>Award(s):</b>	Bachelor of Health Science (Nutritional Medicine)
<b>Core:</b>	Core – 6 credit points
<b>Pre-requisites:</b>	NMDC222, BIOS222, NMDC221, BIOE221, BIOT221 Current Apply First Aid Certificate; Working with Children Check (Perth: National Police Certificate)
<b>Student Workload:</b>	117 hours face to face 108 hours self-directed study
<b>Delivery Mode:</b>	<p><b>Full Time and Part Time</b></p> <p><b>Face to face</b></p> <ul style="list-style-type: none"> <li>• 3 x 3 hours supervised clinical practicum</li> </ul> <p><b>Intensive Delivery</b></p> <ul style="list-style-type: none"> <li>• Summer School - contact hours are delivered over 6 weeks with three 6.5 hour days each week.</li> <li>• Assessments: Progressive clinic logs due progressively from week 3; mid-block clinic review conducted in week 4.</li> </ul>
<b>Subject Coordinator:</b>	Moira Bradfield
<b>Subject Rationale:</b>	<ul style="list-style-type: none"> <li>• This subject serves as an introduction to the application of concepts and skills in clinical practice.</li> <li>• Students practise and reflect on the level of professional practice necessary to manage each client presenting at the Endeavour Clinic successfully and appropriately.</li> <li>• The subject teaches evidence-based practice in the context of Nutritional Medicine. It provides the student with the practice necessary to obtain, evaluate apply and integrate new knowledge and develop the ability to adapt to ever changing situations during their professional life.</li> <li>• Knowledge and skills gained throughout the course are demonstrated consistently during the clinic and assessed by each health assessment, holistic diagnosis, critical research and reflection, therapeutic strategy and treatment plan.</li> <li>• The Nutritional Medicine Clinical Practicum supervisor provides constant feedback on the totality of clinical performance and supports the student's development towards clinical reasoning.</li> <li>• Students are assessed regularly for the professional interaction and communication skills that underpin their clinical performance with clients, supervisors, clinic assistants and student peers.</li> <li>• The subject provides the ongoing opportunity for students to develop deeper self-reflection of their skills as a Nutritional Medicine practitioner.</li> <li>• This subject requires 100% attendance.</li> </ul>

**Learning Outcomes:**

1.	Apply nutritional medicine philosophy, principles and ethical and professional values to the management of clients and critically evaluate and discuss their own performance in this application.
2.	Conduct and observe nutritional medicine consultations to elicit clinical data essential to establish appropriate client management options.
3.	Recognise and apply necessary knowledge, skills and concepts of evidence-based practice.
4.	Develop confidence and achieve competency in consulting clients, obtaining essential information, critically appraising evidence and integrating current best evidence within their clinical decision making processes.
5.	Apply and discuss cultural, religious, gender, linguistic and social individualities of clients into the formulation of therapeutic strategies and treatment plans.
6.	Practise debriefing of all clinical and tutorial sessions to discuss individual problems, individual and team-level performance, identify errors made and develop a plan to improve further performances.
7.	Critically validate the efficacy and appropriateness of each consultative process in the context of a reflective log.
8.	Demonstrate knowledge of risk management as it applies to both occupational health and safety and infection control in the clinical setting.

**Content:**

Week	Clinical Practicum (3 x 3 hr. per week sessions)
1.	<p><b>Session 1</b></p> <p><b>Introduction to Clinical Practicum (1 x 3 hr. Session):</b></p> <ul style="list-style-type: none"> <li>WHS Orientation – Safety, Evacuation, Incident reporting, Legalities, Adverse reactions, Risk management</li> <li>Introduction to the subject. Subject outline, subject rationale, assessment, and student resources.</li> <li>Orientation of the clinic and dispensary.</li> <li>Familiarise students with Endeavour Clinic Handbook and Professional Requirements.</li> </ul> <p><b>Completion of online Clinic Orientation quiz</b></p> <hr/> <p><b>Sessions 2 &amp; 3</b></p> <p><b>Clinic Practicum (2 x 3 hr. Sessions):</b></p> <ul style="list-style-type: none"> <li>Participation in clinical consultations and observations, patient and practitioner communication and interaction, case taking, diagnosis and treatment regimes.</li> <li>Regular practise of clinical examination skills, interpretation of biomedical tests and functional test results.</li> <li>Practise of clinical management skills including reception and dispensary duty.</li> </ul> <p><b>Debrief:</b></p> <p>15 minute debrief at conclusion of each clinic practicum session to identify any important issues raised during the consultation process.</p>
2 – 7.	<p><b>Clinical Practicum (3 x 3 hr. Sessions):</b></p> <ul style="list-style-type: none"> <li>Participation in clinical consultations and observations, patient and practitioner</li> </ul>

	<p>communication and interaction, case taking, diagnosis and treatment regimes.</p> <ul style="list-style-type: none"> <li>Regular practise of clinical examination skills, interpretation of biomedical tests and functional test results.</li> <li>Practise of clinical management skills including reception and dispensary duty.</li> </ul> <p><b>Debrief:</b></p> <ul style="list-style-type: none"> <li>15 minute debrief at conclusion of each clinic practicum session to identify any important issues raised during the consultation process.</li> </ul>
	<p><b>NON-TEACHING WEEK</b></p> <p><b>Semester 1</b> - This aligns with the week after Easter so it may fall between weeks 6 to 8.</p> <p><b>Semester 2</b> - The break week falls between Weeks 7 and 8.</p>
8 - 13.	<p><b>Clinical Practicum (3 x 3 hr. Sessions):</b></p> <ul style="list-style-type: none"> <li>Participation in clinical consultations and observations, patient and practitioner communication and interaction, case taking, diagnosis and treatment regimes.</li> <li>Regular practise of clinical examination skills, interpretation of biomedical tests and functional test results.</li> <li>Practise of clinical management skills including reception and dispensary duty.</li> </ul> <p><b>Debrief:</b></p> <p>15 minute debrief at conclusion of each clinic practicum to identify any important issues raised during the consultation process.</p>
14-15.	<p><b>Non-Teaching Weeks / Practical Exam Weeks. Note that make-up classes may be scheduled in these weeks.</b></p>
16 - 17.	<p><b>Final Exam Weeks</b> (there is no final exam for this subject).</p>

#### 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.). St. Louis, MO: Saunders.
3. Equipment: Thermometer, Sphygmomanometer, Stethoscope, Timing Device, Otoscope, Penlight, Reflex Hammer, Measuring Tape
4. Endeavour Student Clinic Handbook

#### Recommended readings:

- Braun, L., & Cohen, M. (2014) *Herbs and natural supplements: An evidence based guide* (4th ed., Vols. 1-2). Chatswood, NSW: Elsevier Australia. [ebook available]
- Bryant, B., & Knights, K. (2014). *Pharmacology for health professionals* (4th ed.). Chatswood, NSW: Mosby Elsevier. [ebook available]
- 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.
- Gropper, S. S., & Smith, J. L. (2017) *Advanced nutrition and human metabolism* (7th ed.). Belmont, CA: Wadsworth Cengage Learning.
- Hoffman, T., Bennett, S., & Del Mar, C. (2013) *Evidence-based practice across health professions* (2nd ed.). Sydney, NSW: Churchill Livingstone. [ebook available]
- 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://rcpamannual.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.

**Useful 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. Clinical Practicum Performance</b>	Students systematically learn evidence based practice and apply to it to a range of clinical situations. Students are expected to consistently demonstrate the clinical knowledge, skills and judgements necessary for this level of Nutritional Medicine clinical practice. The student's clinical practicum performances, knowledge, skills, professional and ethical conduct and judgement is progressively assessed throughout the duration of 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.	100%  <b>See important note below</b>
<b>2. Reflective clinical and evidence-based practice logs</b>  500 words per client, 4 logs required per 39 hrs of clinic (12 logs total)	The logs are a summary of case taking, prescription, clinical question and research evidence in relation to the case.	1-7	1-12	2-13  Submit weekly to alternating supervisors	S/F
<b>Online Clinic Orientation Quiz</b>	100% must be achieved to be successful in this component			1	S/F
<b>Attendance</b>	100% attendance is required				S/F

Formative assessment will be undertaken early in the subject and then on a regular basis throughout the duration of the subject to provide students and staff with feedback on the learning. It may take the form of quizzes, small group and classroom presentations, writing activities, peer review where appropriate.

Early formative assessment would be used to determine any necessary intervention strategies to ensure students are able to complete the program in the normal subject duration.

Feedback will also be provided on summative assessment undertaken during semester.

**Important Note:** Students will be assessed in this practical unit according to the Clinical Practicum Marking Rubric.

**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.*