SUBJECT OUTLINE

Subject Name: Herbal Medicine *Materia Medica 2*  
Subject Code: WHMF212

SECTION 1 – GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Award/s:</th>
<th>Total Course Credit Points: 128</th>
<th>Level: 2nd Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Health Science (Naturopathy)</td>
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</table>

Duration: 1 Semester

Subject Administrator: Glenise McLaughlin (Sydney Campus)

Subject is: Core

Subject Credit Points: 2

Student Workload:

<table>
<thead>
<tr>
<th>No. timetabled hours per week: 3</th>
<th>No. personal study hours per week: 2</th>
<th>Total hours per week: 10</th>
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Delivery Mode:

☐ On campus  ☒ Online / Digital  ☐ Blended  ☐ Intensive

Weekly Session^ Format/s - 1 session per week:

☒ Livestream lectures:  ☐ 2 hours  ☒ 3 hours

3 hour lecture each week includes integrated tutorial / workshop sessions

*All modes are supported by the online learning management system which will include subject documents such as handouts, readings and assessment guides.

^A ‘session’ is made up of 3 hours of timetabled / online study time per week unless otherwise specified. Each subject has a set number of sessions as outlined above.

Note: As they are aware, international students on a Student Visa (500) must attend livestream classes on their local campus, using the Virtual Classrooms provided.

Study Pattern: ☒ Full Time  ☒ Part Time

Pre-requisites: WHMF112, WHMF121, BIOH122

Co-requisites: Nil

SECTION 2 – ACADEMIC DETAILS

Subject Rationale

This is the second of two subjects that explore plants used in the practice of naturopathy and herbal medicine. Each herb is investigated from the perspective of its taxonomy and morphology, natural chemical constituents, therapeutic actions and applications, administration and dosage. This investigation considers both the traditional and historical use and appraisal of traditional and scientific evidence. The materia medica is explored from a...
physiological systems perspective using a case-based approach of simple client management. This subject prepares students for the study of Herbal Pharmacology and Pharmacognosy and Clinical Herbal Medicine.

### Learning Outcomes

1. Compare and contrast herbal medicine application from the perspective of traditional and scientific evidence and from historical paradigms of medicine.
2. Generate evidence informed herbal monographs through investigation of available information on plant medicines.
3. Apply knowledge of herbal materia medica to simple cases based on specific therapeutic action and clinical indications.
4. Appraise the potential benefits and risks of herbal medicine in the management of human health conditions.

### Assessment Tasks

<table>
<thead>
<tr>
<th>Type</th>
<th>Learning Outcomes Assessed</th>
<th>Session Content Delivered</th>
<th>Due</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid-semester Written Exam</td>
<td>1 &amp; 3-4</td>
<td>1-6</td>
<td>Session 7</td>
<td>20%</td>
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<tr>
<td>Short answer and Case studies (45 minutes)</td>
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<tr>
<td>Herbal Monograph</td>
<td>1-2 &amp; 4</td>
<td>1-9</td>
<td>Week 9</td>
<td>40%</td>
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<tr>
<td>(1500-2000 words)</td>
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<tr>
<td>Final Written Exam</td>
<td>1 &amp; 3-4</td>
<td>1-13</td>
<td>Final Examination Period</td>
<td>40%</td>
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<tr>
<td>Multiple choice, Short answer, Extended response and Case study questions (1.5 hours)</td>
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All written assessments and online quizzes are due at 11:55 p.m. Sunday and submitted through the LMS

### Prescribed Readings:

Recommended Readings:

Subject Content

<table>
<thead>
<tr>
<th>Week</th>
<th>Lectures</th>
<th>Tutorials / Practicals</th>
</tr>
</thead>
</table>
| 1.   | **Introduction** (Subject Outline / Subject Aims / Assessment / Teaching Resources)  
**Digestive Herbs**  
- Materia medica  
  - Agrimonia eupatorium, Frangula purshiana, Rheum palmatum, Rumex crispus from traditional and research literature | Activities are developed to allow the students to explore relevant concepts, expand on ideas and have peer and lecturer interaction. Activities also allow for formative assessment and feedback  
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches |
| 2.   | **Hepato-biliary System - Part 1**  
- Materia medica  
  - Bupleurum falcatum, Curcuma longa, Cynara scolymus, Gentiana lutea, Silybum marianum, Schisandra chinensis from traditional and scientific evidence |  
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches  
- Critical appraisal of the reading |
| 3.   | **Hepato-biliary System - Part 2**  
- Materia medica  
  - Berberis vulgaris, Hydrastis canadensis, Chelidonium majus, Picrorrhiza kurroa, Taraxacum officinale (radix) from traditional and scientific evidence |  
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches |
### 4. Urinary System - Part 1
- **Materia medica**
  - *Agathosma betulina, Arctostaphylos uva-ursi, Juniperus spp., Taraxacum officinale (folia), Vaccinium macrocarpon* from traditional and scientific evidence
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches

### 5. Urinary System - Part 2
- **Materia medica**
  - *Crataeva nurvala, Elymus repens, Equisetum arvense, Eupatorium purpureum, Zea mays* from traditional and scientific evidence
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches

### 6. Nervous System - Part 1
- **Materia medica**
  - *Eschscholzia californica, Humulus lupulus, Passiflora incarnata, Scutellaria lateriflora, Zizyphus jujuba* from traditional and scientific evidence
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches

### 7. Mid-semester Written Exam
- **Nervous System - Part 2**
  - **Materia medica**
    - *Lavandula angustifolia, Leonurus cardiaca, Piper methysticum, Rosmarinus officinalis, Valeriana officinalis* from traditional and scientific evidence
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches

**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. Nervous System - Part 3
- **Materia medica**
  - *Avena sativa, Bacopa monniera, Hypericum perforatum, Turnera diffusa, Verbena officinalis* from traditional and research literature
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches

### 9. Musculoskeletal System
- **Materia medica**
  - *Apium graveolens, Boswellia serrata, Corydalis ambigua, Harpagophytum procumbens, Salix alba, Viburnum opulus* from traditional and scientific evidence
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches

### 10. Female Reproductive System – Part 1
- **Materia medica**
- Discussion of related clinical scenarios and appropriate herbal therapeutic approaches
<table>
<thead>
<tr>
<th>Section</th>
<th>Materia Medica</th>
<th>Notes</th>
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<tbody>
<tr>
<td></td>
<td>- Angelica sinensis, Paeonia lactiflora, Viburnum prunifolium from traditional and scientific evidence</td>
<td>Discuss reading</td>
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<td></td>
<td><strong>Male Reproductive System</strong></td>
<td>Discussion of related clinical scenarios and appropriate herbal therapeutic approaches</td>
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<tr>
<td></td>
<td>- Materia medica</td>
<td>Critical appraisal of the reading</td>
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<td>- Serenoa repens, Tribulus terrestris, Urtica dioica (radix) from traditional and scientific evidence</td>
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<tr>
<td>12. Endocrine System - Part 1</td>
<td>- Glycyrrhiza glabra, Panax ginseng, Rehmannia glutinosa, Rhodiola rosea, Withania somnifera from traditional and scientific evidence</td>
<td>Discussion of related clinical scenarios and appropriate herbal therapeutic approaches</td>
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<tr>
<td>13. Endocrine System - Part 2</td>
<td>- Fucus vesiculosus, Lycopus virginicus, Gymnema sylvestre, Galega officinalis, Salvia officinalis from traditional and scientific evidence</td>
<td>Discussion of related clinical scenarios and appropriate herbal therapeutic approaches</td>
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<tr>
<td>14-15. Non-Teaching Week/Practical Examination Weeks 1 &amp; 2</td>
<td>Note that make-up classes may be scheduled in this week</td>
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<tr>
<td>16-17. Final Examination Weeks 1 &amp; 2</td>
<td>Students are required to sit examinations using the Respondus Lockdown Browser software per the Examination Policy – Higher Education. Refer to your local campus calendar for exam opening and closing times.</td>
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