



# Nature Care College

## Herbal Medicine 1C (Manufacturing)

<b>DESCRIPTION</b>	Methods of herbal manufacturing are covered in this course, including harvesting, drying and storing as well as extraction methods. You will learn how to identify legal restrictions on manufacturing and dispensing herbs.
<b>DURATION</b>	24 hours
<b>LEARNING OUTCOMES</b>	By the conclusion of the unit of study, students should be able to: <ol style="list-style-type: none"> <li>1. Identify legal restrictions on manufacturing and dispensing herbs.</li> <li>2. Outline methods of storing herbs appropriately.</li> <li>3. Manufacture medicinal preparations from herbs.</li> <li>4. Identify toxic and non-toxic wild and locally growing medicinal plants.</li> <li>5. Establish the therapeutic value of native and introduced plants.</li> <li>6. Use appropriate guidelines for plant collecting.</li> <li>7. Operate and monitor the dispensing process.</li> <li>8. Follow documentation guidelines.</li> </ol>
<b>TEACHING METHOD</b>	Lectures accompanied with handouts. Practical demonstration and application. Exercises. Group discussion.
<b>ASSESSMENT</b>	<ul style="list-style-type: none"> <li>• 1 Assignment worth 45% of term total – week 10. Pass mark 60%</li> <li>• 1 hour exam worth 27% of term total – week 6. Pass mark 60%</li> <li>• 1 hour exam worth 28% of term total – week 12. Pass mark 60%</li> </ul> <p>Satisfactory attendance and participation (as per Unit of Study outline)</p> <p><b>Pass mark <span style="float: right;">60%</span></b>  <b>Each component must be passed at 60% in order to pass this subject satisfactorily.</b></p> <p><b>Note:</b> To facilitate the return of your assignment you will need to provide a stamped addressed envelope. If no envelope is provided assignments will be destroyed after results are recorded. Please also make a copy of your assignment before submission for your own records.</p>
<b>COMPETENCIES PARTIAL COMPLETION</b>	HLTHER603B - Operate a western herbal medicine dispensary HLTHER606B - Prepare and dispense western herbal medicine
<b>ATTENDANCE</b>	80% minimum
<b>PRE-REQUISITES</b>	Nil.
<b>CO-REQUISITES</b>	Herbs 1A

<b>MATERIALS REQUIRED</b>	Notebook, pen, Compulsory textbook
<b>TEXTBOOKS</b>	<p><b>Compulsory:</b> Adams J, Tan E. 1999. <i>Herbal Manufacturing</i>. Self published</p> <p><b>Recommended Reading / References:</b> Cowper A. 1996. <i>Manufacturing Handbook for Herbal Medicines</i>. Self published. Australia. Bisset NG, Wichtl M (editors), 2001. <i>Herbal Drugs and Phytopharmaceuticals</i>. 2<sup>nd</sup> Edition, Medpharm, Stuttgart.</p>

## WEEK-BY-WEEK OUTLINE

<b>WEEK 1</b>	Legal requirements Principles of solvents	
<b>WEEK 2</b>	Harvesting, drying, infusions, decoctions	
<b>WEEK 3</b>	Syrups, maceration, tinctures	
<b>WEEK 4</b>	Practical – syrups and tinctures	
<b>WEEK 5</b>	Practical – decanting and pressing Fresh plant tinctures	
<b>WEEK 6</b>	Practical – fresh plant tinctures	<b>Mid-Term Exam</b>
<b>WEEK 7</b>	Practical – pressing	
<b>WEEK 8</b>	(Lectures 5-7) Percolation, extraction, fluid extracts	
<b>WEEK 9</b>	Practical - fluid extracts Multiple maceration, glyceextracts	
<b>WEEK 10</b>	Practical – topical preparations. Infused oils	
<b>WEEK 11</b>	(Lectures 8-10) and video Practical Topical preparations	
<b>WEEK 12</b>	<b>Exam</b>	<b>Assignment Due</b>

Please be respectful of your fellow students and arrive on time for class.  
Please ensure all mobile phones are turned off prior to the commencement of class.