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# Nature Care College

## Anatomy & Physiology 1C

<b>DESCRIPTION</b>	This unit of study integrates your knowledge of Anatomy & Physiology 1A & 1B, increasing your understanding of a wide range of body functions. Subjects studied include the anatomy and physiology of stress, sleep, consciousness, memory, emotions and behaviour.	
<b>DURATION</b>	24 hours	
<b>LEARNING OUTCOMES</b>	By the conclusion of the unit, students should be able to: <ol style="list-style-type: none"> <li>1. Describe the mechanism of cell division.</li> <li>2. Describe the structure and function of the integumentary system.</li> <li>3. Describe the general and special senses of the body.</li> <li>5. Describe the role of emotions and behaviour in the body.</li> <li>6. Describe the mechanisms of memory and learning.</li> <li>7. Describe the mechanism of sleep</li> <li>8. Describe the development of the reproductive cells</li> <li>9. Describe the processes involved in fertilisation, pregnancy, birth and lactation</li> <li>10. Describe childhood development, puberty and ageing in the human body.</li> </ol>	
<b>TEACHING METHOD</b>	Modified Lecture Group and Class Discussion Demonstration and Practical Activities	
<b>ASSESSMENT</b>	<b>Formative Examination Process</b>	
	Exam	100%
	<b>Pass mark</b>	<b>60%</b>
<b>COMPETENCIES PARTIAL COMPLETION</b>	Successful completion of this Unit of Study is in partial completion of the following Health Training Package HLT07 Units of Competency: HLTAP501B - Confirm Physical Health Status	
<b>ATTENDANCE</b>	80% minimum.	
<b>PRE-REQUISITES</b>	Anatomy & Physiology 1A Anatomy & Physiology 1B	
<b>CO-REQUISITES</b>	Nil	
<b>MATERIALS REQUIRED</b>	Notebook, pen, workbook.	

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**TEXTBOOKS****Compulsory:**

Nature Care College. *Anatomy & Physiology 1C Workbook*. (2007 edition)  
Tortora G. Derrickson B (2012) *Principles of Anatomy and Physiology* 13<sup>th</sup> edition, John Wiley & Sons Inc

**Recommended Reading / References:**

2002, *Mosby's Medical, Nursing and Allied Health Dictionary*. 6<sup>th</sup> Edition Mosby, USA.  
Wynn Kapit / Lawrence M Elson, *Anatomy & Physiology Colouring Book*, Addison Wesley Educational Publishers Inc. Current Edition.

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**WEEK-BY-WEEK OUTLINE**

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<b>WEEK 1</b>	Introduction to genetics / mitosis
<b>WEEK 2</b>	The integumentary system
<b>WEEK 3</b>	The general senses
<b>WEEK 4</b>	The special senses (olfaction, taste, hearing and equilibrium)
<b>WEEK 5</b>	The special senses (vision)
<b>WEEK 6</b>	Sleep / emotions / memory and learning
<b>WEEK 7</b>	Blood pressure / stress
<b>WEEK 8</b>	Meiosis (reproductive cell production)
<b>WEEK 9</b>	Fertilization / implantation / pregnancy (embryonic development)
<b>WEEK 10</b>	Pregnancy (foetal development) / birth / infant reflexes / lactation
<b>WEEK 11</b>	Childhood growth and development / puberty / ageing
<b>WEEK 12</b>	Formative Examination Process

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