

**Demonstration School of Suan Sunandha Rajabhat University**  
**English Program Semester 2 Course Curriculum - Academic Year 2017**  
**M.4/2 Basic Science 2 SCI 30102**

**Course Focus:** Students are to have the basic understanding of each topic at the end of the course. An interactive student role is advised in order to enhance understanding and the ability to think outside of a box.

	<b>In Class Cumulative Score</b>	<b>Points</b>	<b>Total Points</b>
1	Class Attendance	10	60
2	Class Manners <ul style="list-style-type: none"> <li>• Pay attention</li> <li>• Inappropriate conduct such as playing on mobile phones, tablets, etc... will result in point(s) deduction.</li> </ul> <b>Note:</b> Mobile phones will be permitted for searches in accordance to specific assignment/class activities <u>once announced at specific timepoint(s)</u> .	10	
3	Presentation in groups (individual scores for each student) Group Session – problem solving	10	
4	Test 1	10	
5	Test 2	10	
6	Extra-curriculum class activities (to be announced)	10	
7	Midterm	20	40
8	Final	20	
9	Extra Credit will be considered based on quality of work	0-10	
	<b>Passing Score</b>	<b>60 %</b>	

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<b>Topics Covered</b>		<b>Details</b>
1	Cell Homeostasis	Kidney and Function Kidney malfunction and disease stage
2	Immune System	Immune Mechanism and immunity Types of immune response Components of the Immune System
<b>Midterm Exam</b>		<b>Cover up to topics 1-3</b>
3	Genetics	Chromosomes and genes Gene expression Bioengineering
4	Biodiversity	Taxonomic Naming System Naming Systems (common names, scientific names)
<b>Final Exam</b>		<b>Cover up to topics 4-7</b>

**Reading and Study Material:**

1. Reading material will be provided for specific topics discussed.
2. Power Point lecture notes will be provided.
3. Campbell Textbook (equivalent textbook may be used).