	Final assessment: a) In-class lab final quiz (1/2-hour), 10% ((Anatomy exam based on human models and fetal pigs) b) In-class final examination (2-hour, comprehensive), 40% (Multiple choice, short answers, matching, essay questions combination, problem solving)	50%
	Formative:  Multiple "diagnostic on-line" tests	0
	Multiple choice, short answers	0
	essay questions The formative MC (on-line) and written essays aim to prepexaminations. Students are expected to submit feedback or The first assessment tests Learning Outcomes 1-3 and 5. The final examination tests all learning outcomes and it is confirmed to the final grade for this module will be determined by averassessment grades, based on the predetermined weights assessment. If students pass the comprehensive assessment Learning Outcomes for this module and the average grade 40 or higher, students are not required to resit any failed	pare students for the in their performance.  comprehensive.  craging all summative if for each ent that tests all the for the module is
INDICATIVE READING:	REQUIRED READING: Required Textbook: Mader, S. S. & Windelspecht, M. Latest Edition. Inquiry Into Life. McGraw-Hill Higher Education. Required Lab Manual: Mader, S. S. Latest Edition. Inquiry Into Life, Lab Manual. McGraw-Hill Higher Education.  RECOMMENDED READING: Other sources, including journal and newspapers' articles, research papers etc. recommended by the instructor throughout the semester.	
INDICATIVE MATERIAL: (e.g. audiovisual, digital material, etc.)	REQUIRED MATERIAL: N/A  RECOMMENDED MATERIAL: N/A	
COMMUNICATION REQUIREMENTS:	Verbal and written skills using academic / professional Engli	ish.
SOFTWARE REQUIREMENTS:	MS Office and Blackboard CMS	
WWW RESOURCES:	http://www.dnalc.org http://www.medtropolis.com/VBody.asp http://www.whitman.edu/biology/vpd/ http://www.cellsalive.com/ http://multimedia.mcb.harvard.edu/media.html http://www.mcb.harvard.edu/BioLinks.html http://www.mhhe.com/biosci/esp/2002_general/Esp/default.htm http://nhscience.lonestar.edu/biol/bio1int.htm http://biology.uco.edu/AnimalBiology/Tissues/Tissuhome.html http://www.sciam.com	
INDICATIVE CONTENT:	1. Introduction	

	<ol> <li>1.1 A brief history of science and biology</li> <li>1.2. The scientific method</li> <li>1.3. The framework of biology (levels of organization)</li> <li>2. The cell theory</li> <li>2.1. Organization and structure of the cell</li> <li>2.2. Plant tissues and structure</li> <li>2.3. Animal tissues</li> <li>3. Molecular aspects of biology (biological macromolecules, enzymes)</li> <li>4. Cell metabolism</li> <li>4.1. Anabolism and catabolism</li> <li>4.2. Movement of materials</li> <li>4.3. Photosynthesis</li> <li>4.4. Cellular respiration</li> <li>5. Maintenance and integration of organisms (plants and animals, with emphasis on humans)</li> <li>5.1. Intake, digestion, assimilation and nutrition</li> <li>5.2. Respiration</li> <li>5.3. Transportation, circulation and immunity</li> <li>5.4. Secretion and excretion</li> <li>5.5. Senses, nervous system, chemical coordination and nervous coordination</li> <li>6. Human reproduction (anatomy and physiology)</li> </ol>
INDICATIVE CONTENT (LAB):	<ol> <li>Human reproduction (anatomy and physiology)</li> <li>Laboratory Safety. Rules and Regulations. Use of the Microscope and the Cell</li> <li>Movements of Materials- Electron Micrographs</li> <li>Plant Tissues</li> <li>Animal Tissues</li> <li>Metabolism: Photosynthesis</li> <li>Metabolism: Respiration</li> <li>External Anatomy and Neck Region (Fetal Pig and Human Anatomy)</li> <li>Digestive System (Fetal Pig and Human Anatomy)</li> <li>Circulatory System: Arteries and Veins (Fetal Pig and Human Anatomy)</li> <li>Circulatory System: Heart, Respiratory System (Fetal Pig and Human Anatomy)</li> <li>Urogenital and reproductive System (Fetal Pig and Human Anatomy, Sexually Transmitted Diseases)</li> <li>Senses and Nervous System (Fetal Pig and Human Anatomy)</li> </ol>