



## Teaching Strategies and Assessment Methods in the Biology program

NQF Learning Domains and Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge</b>	
<b>1.1</b>	<ul style="list-style-type: none"> <li>• Lecture strategy</li> <li>• Brainstorming strategy</li> </ul>	<ul style="list-style-type: none"> <li>• -Researches assessment</li> <li>• oral exam</li> </ul>
<b>1.2</b>	<ul style="list-style-type: none"> <li>• Problem-solving strategy</li> </ul>	<ul style="list-style-type: none"> <li>• reports</li> <li>• educational practice</li> </ul>
<b>1.3</b>	<ul style="list-style-type: none"> <li>• Discussion and dialogue strategy</li> </ul>	<ul style="list-style-type: none"> <li>• assessment</li> <li>• Questionnaire</li> </ul>
<b>1.4</b>	<ul style="list-style-type: none"> <li>• strategy</li> </ul>	
<b>2.0</b>	<b>Cognitive Skills</b>	
<b>2.1</b>	<ul style="list-style-type: none"> <li>• Problem-solving strategy</li> <li>• Group discussion strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Mid -term exams</li> <li>• reports</li> <li>• work paper</li> </ul>
<b>2.2</b>	<ul style="list-style-type: none"> <li>• Active learning strategy</li> <li>• Case study strategy</li> </ul>	<ul style="list-style-type: none"> <li>• assessment</li> <li>• oral exam</li> <li>• observation</li> </ul>
<b>2.3</b>	<ul style="list-style-type: none"> <li>• E-learning strategy</li> </ul>	<ul style="list-style-type: none"> <li>• educational practice</li> </ul>

2.4	Link between knowledge, acquiring skills, academic, and professional contexts related to the teaching of biology fields .	strategy	assessment • research assessment
<b>3.0 Interpersonal Skills &amp; Responsibility skills</b>			
3.1	Take the initiative in identifying the issues and class rooms problems with suggestion of constructive solutions in the collective and individual attitudes	<ul style="list-style-type: none"> <li>• Cooperative learning</li> <li>• -Case Study</li> </ul>	<ul style="list-style-type: none"> <li>• Educational practice</li> <li>assessment</li> </ul>
3.2	Exercise group's leadership in a variety of situations which require innovative responses	<ul style="list-style-type: none"> <li>• Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of student presentation</li> </ul>
3.3	Form a positive trends towards the teaching profession committed to ethical and professional values, taking into account the humane treatment of all living organisms in the field of research and laboratory	<ul style="list-style-type: none"> <li>• Teaching Exchange</li> <li>• Peer assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Performance evaluation</li> <li>• reports</li> </ul>
3.4	Be responsible for self-learning and continuing personal and professional development, using the means of finding new information or analysis techniques to accomplish the tasks .	<ul style="list-style-type: none"> <li>• Active learning strategy</li> </ul>	<ul style="list-style-type: none"> <li>• observation</li> <li>• practical exam</li> </ul>
<b>4.0 Communication, Information Technology, Numerical skills</b>			
4.1	Communicate verbally and in written ways by using appropriate display forms for different issues with different recipients.	<ul style="list-style-type: none"> <li>• Microteaching</li> <li>• Competitive learning</li> </ul>	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Researches assessment</li> </ul>
4.2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	<ul style="list-style-type: none"> <li>• Self- learning</li> <li>• Individual and</li> </ul>	<ul style="list-style-type: none"> <li>• Reports</li> <li>• practical</li> </ul>

		group	education
4.3	Determine the statistical and mathematical methods which are relevant in examining issues and problems, and creatively applied in interpreting the information and propose solutions	researches using internet <ul style="list-style-type: none"> <li>• Activities and home works</li> <li>• E-learning</li> </ul>	assessment
<b>5.0</b>	<b>Psychomotor skills</b>		
5.1	Mastered the use of tools and, laboratory devices in dissection and conduction of practical experiments	<ul style="list-style-type: none"> <li>• lab strategy</li> <li>• cooperative learning</li> </ul>	<ul style="list-style-type: none"> <li>• practical exams</li> </ul>
5.2	Know well how to examine and draw microscopic sectors in a valid scientifically method	<ul style="list-style-type: none"> <li>• working in small groups</li> </ul>	<ul style="list-style-type: none"> <li>• lab reports</li> <li>• observation</li> </ul>