

Teaching Strategies and Assessment Methods in the Biology program

	NQF Learning Domains and Learning Outcomes	Teaching Strategies	Assessment Methods		
1.0	Knowledge				
1.1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education	• Lecture strategy	-Researches assessment		
	which are necessary for professional preparation.	Brainstorming	• oral exam		
1.2	Find the relationship between the scientific biological theories and other scientific and professional	strategy • Problem-	reportseducational		
	fields related to biological science.	• Problem-	educational		
1.0	Classify the latest educational and psychological developments and	solving strategy	practice		
1.3	recent researches that can find solutions for issues and increase knowledge in biology field.	Discussion and dialogue	assessment		
1.4	Explain the systems and regulations of the profession and its technical requirements and how to improve them according to the subsequent changes	strategy	Questionnaire		
2.0	Cognit	ive Skills			
	Investigate the information and analyze them to study phenomena related to Biological science and teaching problems that she face,	Problem-solving strategy	Mid -term exams		
2.1	then using it in proposing innovative solutions based on her theoretical and practical background to take	• Group discussion strategy	reportswork paper		
	appropriate decisions Analyze the relationship between	Active learning	assessment		
2.2	the construction and function at the molecular, cellular, organic and ecological levels with explanation	strategy	• oral exam		
	of the molecular mechanisms, metabolism and gene expression	• Case study	• observation		
	Conclude the reasons for the relatively complex problems in	strategy	• educational		
2.3	biological science, using variable forms of information technologies and other sources.	• E-learning	practice		

2.4	Link between knowledge, acquiring skills, academic, and professional contexts related to the teaching of biology fields.	strategy	 research assessment			
3.0	Interpersonal Skills	Interpersonal Skills & Responsibility skills				
3.1	Take the initiative in identifying the issues and class rooms problems with suggestion of constructive solutions in the collective and individual attitudes	Cooperative learning	Educational practice assessment			
3.2	Exercise group's leadership in a variety of situations which require innovative responses	-Case StudyProblemSolving	assessmentAssessmentof student			
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	TeachingExchangePeerassessment	presentationPerformanceevaluationreports			
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.	Active learning strategy	observationpracticalexam			
4.0	Communication, Information Technology, Numerical skills					
4.1	Communicate verbally and in written ways by using appropriate display forms for different issues with different recipients.	Microteaching Competitive	Observation Researches			
4.2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	 Self- learning Individual and	 Reports practical			

		group	education		
		group	Caacation		
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	assessment		
		using internet			
		Activities and			
		home works			
		• E-learning			
5.0	Psychomotor skills				
5.1	Mastarad the use of tools and	lab strategy	• practical		
	Mastered the use of tools and, laboratory devices in dissection and conduction of practical experiments	• cooperative	exams		
	Know well how to examine and	learning	• lab reports		
5.2	draw microscopic sectors in a valid scientifically method	• working in	• observation		
		small groups			