

## BIOLOGY PROGRAM – CANDIDATE INFORMATION

### INITIAL PROGRAM CANDIDATES

Year	Number of Candidates enrolled in the Program	Traditional delivery	Online delivery	Number of Program Completers
2006-2007				
2007-2008	5	5		
2008-2009	6	6		1
2009-2010	2	2		1
2010-2011	2	2		0
2011-2012	2	2		0

### POST-BACCALAUREATE – ADDED ENDORSEMENT CANDIDATES (w/initial license)

Year	Number of Candidates enrolled in the Program	Traditional delivery	Online delivery	Number of Program Completers
2008-2009	NA			
2009-2010	NA			
2010-2011	NA			

## DATA for ALL 18 BIOLOGY STANDARDS

### STANDARD 1 – CELLS

Assessment 5F – BI 350 Cellular, Molecular & Development – Course Based Grades

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2005-2006	1				1
2006-2007					
2007-2008	1		1		
2008-2009					
2009-2010					
2010-2011					
2011-2012	2		1	1	

Assessment 7 – Biology **Major Field Test** (sub score 1 – Cell Biology)

Year	Number of Students	> 1 SD below the mean	Within 1 SD of the mean	> 1 SD above the mean
2008-2009	1		1	
2009-2010	1	1		
2010-2011	NA			
2011-2012	NA			

## STANDARD 2 – GENETICS

### Assessment 5C – BI Genetics – Course Based Grades

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2006-2007	1				1
2007-2008	1		1		
2008-2009					
2009-2010					
2010-2011	1			1	
2011-2012	1			1	

### Assessment 7 – Biology Major Field Test (sub score 2 – Molecules and Genetics)

Year	Number of Students	< 1 SD below the mean	Within 1 SD of the mean	> 1 SD above the mean
2008-2009	1	1		
2009-2010	1	1		
2010-2011	NA			
2011-2012	NA			

## STANDARD 3 – BIOLOGICAL EVOLUTION

### Assessment 5B – BI 170 Zoology – Course Based Grades [disaggregated, final exam score]

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2005-2006	1				1
2006-2007	1			1	
2007-2008					
2008-2009					
2009-2010					
2010-2011	1			1	
2011-2012	1			1	

## STANDARD 4 – ECOLOGICAL INTERACTIONS

### Assessment 7 – Biology Major Field Test (sub score 4 – Population, Evolution, Ecology)

Year	Number of Students	> 1 SD below the mean	Within 1 SD of the mean	> 1 SD above the mean
2008-2009	1		1	
2009-2010	1		1	
2010-2011	0			
2011-2012	NA			

## STANDARD 5 – ANIMAL BEHAVIOR

Assessment 5B – BI 170 Zoology – Course Based Grades [disaggregated, scores - Hydra lab]

Year	Number of Students	<70% Unacceptable	70% - 85% Acceptable	>85% Above Average
2006-2007	1			1
2007-2008				
2008-2009				
2009-2010				
2010-2011				
2011-2012				

Assessment 5B – BI 170 Zoology – Course Based Grades [disaggregated, scores - Planaria lab]

Year	Number of Students	<70% Unacceptable	70% - 85% Acceptable	>85% Above Average
2006-2007	1			1
2007-2008				
2008-2009				
2009-2010				
2010-2011				
2011-2012				

## STANDARD 6 - ORGANISMS

Assessment 1a - Praxis II Content Test – Sub-score IV – Diversity of Life

Year	Number of Students	Below the average range	Within the average range	Above the average range
2008-2009	1		1	
2009-2010	1		1	
2010-2011	NA			
2011-2012	NA			

Assessment 5E –BI Botany – Course Based Grades

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2008-2009	1				1
2009-2010					
2010-2011	1			1	
2011-2012					

Assessment 7 – Biology **Major Field Test** (sub score 3 - Organismal)

Year	Number of Students	< 1 SD below the mean	Within 1 SD of the mean	> 1 SD above the mean
2008-2009	1		1	
2009-2010	1		1	
2010-2011	0			
2011-2012				

**STANDARD 7 – HUMAN SYSTEMS AND SEXUALITY**

Assessment 5D –BI Human Physiology – Course Based Grades

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2007-2008	2		1		1
2008-2009	0				
2009-2010	0				
2010-2011	0				
2011-2012	2		1	1	

**STANDARD 8 – POPULATION GROWTH**

Assessment 1a - Praxis II Content Test – Sub-score V – Ecology

Year	Number of Students	Below the average range	Within the average range	Above the average range
2008-2009	1		1	
2009-2010	1		1	
2010-2011	NA			
2011-2012	NA			

Assessment 5A – BI 125 Environmental Science – Population growth lab

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2008-2009	NA				
2009-2010	NA				
2010-2011	0				
2011-2012	0				

**STANDARD 9 – SCIENTIFIC INQUIRY**

Assessment 6 – Senior Seminar – Capstone Research Project

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2008-2009	1			1	
2009-2010					
2010-2011					
2011-2012	2			1	1

## STANDARD 10 – TECHNOLOGY

Assessment 1a - Praxis II Content Test – Sub-score VI - Technology

Year	Number of Students	Below the average range	Within the average range	Above the average range
2008-2009	1		1	
2009-2010	1		1	
2010-2011	0			
2011-2012	0			

**Assessment ????? – ED406 Natural Science Methods – Technology Plan**

**Methods of Natural Science – Course Based Grades [disaggregated, technology plan]**

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2007-2008	1				1
2008-2009	1				1
2009-2010	NA				
2010-2011	NA				
2011-2012	NA			1	

## STANDARD 11 – HUMAN ENDEAVOR, NATURE OF SCIENCE, HISTORICAL PERSPECTIVE

Assessment 5A – BI 125 Environmental Science – Course Based Grades (through 2010-2011)  
[disaggregated assignment: 2011-2012 to present]

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2005-2006	1			1	
2006-2007	1				1
2007-2008	NA				
2008-2009	NA				
2009-2010	NA				
2010-2011	NA				
2011-2012	NA				

## STANDARD 12 – UNIFYING DOMAINS

Assessment 8 – End of Program Exam

Year	Number of Students	Unacceptable	Acceptable	Above Average
2008-2009	1		1	
2009-2010				
2010-2011				
2011-2012	2	1		1

## STANDARD 13 – TEACH SCIENCE EFFECTIVELY

### Assessment 3 – CTE Evaluation Rubric – Overall Rating

Year	Number of Candidates	Unacceptable <1.0	Basic 1.0-1.5	Competent 1.6-2.4	Target 2.5-3.0
2008-2009	1-Coop Tchr.			1	
	STEP Sup.				1
	Content Sup.				1
2009-2010	1-Coop Tchr.				1
	STEP Sup.				1
	Content Sup.				NA
2010-2011					
2011-2012					

## STANDARD 14 – INTEGRATES SCIENCE WITH OTHER DISCIPLINES

### Assessment 3 – CTE Evaluation Rubric – Goal 1 – Planning and Preparation

Year	Number of Candidates	Unacceptable <1.0	Basic 1.0-1.5	Competent 1.6-2.4	Target 2.5-3.0
2008-2009	1-Coop Tchr.			1	
	STEP Sup.				1
	Content Sup.				1
2009-2010	1-Coop Tchr.			1	
	STEP Sup.				1
	Content Sup.				1
2010-2011	0				
2011-2012					

## STANDARD 15 – RELATE TO STUDENT INTEREST AND DAILY LIFE

### Assessment 2 – KPTP Task 2 – Unit Plan

Year	Number of Students	<4.5 Unacceptable	4.5-5.5 Basic	6-7.5 Competent	8-9 Target	Average Score
2008-2009	NA					
2009-2010	1				1	8.5
2010-2011	2			1	1	7.5
2011-2012	NA					

**STANDARD 16 – VARIETY OF TEACHING METHODS**

Assessment 4 – KPTP Task 3 – Teaching and Learning

Year	Number of Students	< Unacceptable	Basic	Competent	Target	Average Score
2008-2009						
2009-2010	1			1		9.5
2010-2011	2			1	1	9.8
2011-2012						

**STANDARD 17 – LEARNING ENVIRONMENT AND LAB SAFETY**

*Assessment ????? – ED406 Natural Science Methods – Lab Safety Plan*

*Methods of Natural Science – Course Based Grades [disaggregated, technology plan]*

Year	Number of Students	<C Unacceptable	C Basic	B Competent	A Target
2007-2008	1				1
2008-2009	1				1
2009-2010					
2010-2011					
2011-2012				1	

**STANDARD 18 – ONGOING PROFESSIONAL PRACTICE**

Assessment 2 – KPTP Task 4 – Reflection and Professionalism

Year	Number of Students	<1.5 Unacceptable	1.5 Basic	2.0 Competent	2.5-3.0 Target	Average Score
2008-2009	1-NA					
2009-2010	1 (Brian B)				1	
2010-2011	NA					
2011-2012	NA					

**Note: Jackie Nicholson completed CTE in 2008-2009, but the KPTP was not required at that time.**