

Biology Program Review

Summary of Standards and Assessments

Standard	Assessment #1 Praxis 1a) Content 1b) PLT	Assessment #2 KPTP Task 2 Unit Plan	Assessment #3 CTE Evaluation Rubric	Assessment #4 KPTP Task 3 Teach/Reflect	Assessment #5 Course Based Grades	Assessment #6 Senior Seminar Research Project (BI499)	Assessment #7 Major Field Test	Assessment #8 End of Program Exam
1) Cells					5F) BI 350 Cell, Mol & Development		MFT Sub score 1 Cell Biology	
2) Genetics					5C) BI 263 Genetics		MFT Sub score 2 Molecules and Genetics	
3) Biological Evolution					5B) BI 170 Zoology *final exam disaggregated			
4) Ecological Interactions							MFT Sub score 4 Population Biology, Evolution, Ecology	
5) Animal Behavior					5B) BI 170 Zoology *2 labs disaggregated			
6) Organisms	1a) Sub-score IV Diversity of Life , Plants and Animals						MFT Sub-score 3 Organismal Biology	
7) Human Systems and Sexuality					5D) BI 280 HumanPhysiology			
8) Population Growth	1a) Sub-score V Ecology				5A) BI 125 Environmental Science *disaggregated			
9) Scientific Inquiry						Senior Seminar Research Project		
10) Relationship between science and technology	1a) Sub-score VI Technology				5E) ED406 Methods of Teaching Natural Science - disaggregated			
11) Human endeavor, nature of science and historical perspectives					5A) BI 125 Environmental Science * disaggregated			

12) Concepts and processes unifying science domains			CTE Evaluation Rubric – Addendum for Goal 6-Indicator 12			X		End of Program Exam
13) Teach effectively			CTE Evaluation Rubric					
14) Integrates science with other disciplines		x						
15) Relate science to daily lives/interest of students and larger framework of understanding		KPTP Task 2	CTE Evaluation Rubric – Addendum for Goal 6-Indicator 15					
16) Variety of assessment methods				x				
17) learning environments and lab safety		x	CTE Evaluation Rubric – Addendum for Goal 6-Indicator 17		5E) ED406 Methods of Teaching Natural Science - disaggregated			
18) Ongoing professional practice				x				
MFT (assessment 7) sub-scores: Black = used	I Cell Biology, II Molecules and Genetics, III Organismal , IV Population Biology, Evolution, Ecology							
Praxis II Content Test (Assessment 1a) sub-scores: Black = used	I, II, III, IV Diversity of Life, Plants and Animals, V Ecology, VI Technology							