

**Assessment of the Plant Biotechnology degree option, Department of Plant Sciences and Plant Pathology (PSPP)**

Plant Biotechnology students attend classes which emphasize both basic and applied aspects of plant improvement to address problems facing plant production systems. A strong foundation is developed through coursework in biology, plant sciences, microbiology, genetics, biochemistry, and plant improvement methods.

Our graduates will:

1. Have the knowledge required to be successful in an area of plant improvement achieved via both basic and advanced techniques.
2. Have the laboratory and plant culture skills needed to be able to function successfully in an area of plant improvement.
3. Be able to communicate effectively orally and in writing.
4. Be able to design and carry out plant genetic and/or biotechnology experiments and analyze data.

**Curriculum Map**

Required PSPP courses	Credits	Outcomes			
		1	2	3	4
BIOB 375 - General Genetics	3	I			
BIOO 433--Plant Physiology	3	D			
BIOB 430 - Plant Biotechnology	3	D	D	D	D
HORT 447 - Advanced Plant Propagation	3	I	D		
BIOB 490R - Undergraduate Research or BIOB 498 - Internship/Cooperative Edu	3	M	M		D
BIOB 499 - Senior Thesis/Capstone	2	D		M	
BIOM 421 - Concepts of Plant Pathology	3	D	I		
BIOO 460 - Plant Metabolism	3	D		D	

**Response Thresholds:**

**Outcome      Threshold**

- 1                      70% of students score at the 'acceptable' level.
- 2                      70% of students score at the 'acceptable' level.
- 3                      70% of students score at the 'acceptable' level.
- 4                      70% of students score at the 'acceptable' level.

**Schedules:**

**Outcomes Assessment Schedule:**

Outcome	Cycle 1			Cycle 2		
	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1			X		X	
2			X		X	
2			X		X	
4			X		X	

**Assessment Plan Elements:**

Element	Cycle 1			Cycle 2		
	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Outcomes			X		X	
Rubrics			X		X	
Curr. Map			X		X	
Schedules			X		X	