

SLO Performance Report

Program: Astronomy

Date: 11-02-2019

Terms: Spring 2019, Fall 2018, Summer 2018

ASTRB2: Life in the Universe

1. Upon successful completion of the course, the student will be able to demonstrate a correct understanding of the cause of a given phenomenon, the physical nature of a given object including the chemical, molecular, and cellular nature of Life, and the properties and processes of a habitable world [this is the "what we know" SLO]

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2018	11	14.10%	9	11.54%	45	57.69%	13	16.67%	78	100.00%
Summer 2018	8	20.00%	6	15.00%	24	60.00%	2	5.00%	40	100.00%
Totals	19	16.10%	15	12.71%	69	58.47%	15	12.71%	118	100.00%

2. Upon successful completion of the course, the student will be able to describe the scientific method, give the evidence for an explanation and describe the technique(s) used in determining either the property of something including extra-terrestrial life, how it interacts with its environment, or its origin and history [this is the "how we know" SLO]

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2018	11	14.10%	8	10.26%	45	57.69%	14	17.95%	78	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	11	14.10%	8	10.26%	45	57.69%	14	17.95%	78	100.00%

3. Upon successful completion of the course, the student will be able to solve word problems and apply concepts to new situations not given in the book or in lecture using logical, deductive reasoning.

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	4	8.70%	6	13.04%	21	45.65%	15	32.61%	46	100.00%
Fall 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Summer 2018	8	20.00%	4	10.00%	20	50.00%	8	20.00%	40	100.00%
Totals	12	13.95%	10	11.63%	41	47.67%	23	26.74%	86	100.00%

4. Upon successful completion of the course, the student will be able to use a computer to locate information on the internet

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	4	8.70%	9	19.57%	27	58.70%	6	13.04%	46	100.00%
Fall 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	4	8.70%	9	19.57%	27	58.70%	6	13.04%	46	100.00%

Totals for CSLOs

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	8	8.70%	15	16.30%	48	52.17%	21	22.83%	92	100.00%
Fall 2018	22	14.10%	17	10.90%	90	57.69%	27	17.31%	156	100.00%
Summer 2018	16	20.00%	10	12.50%	44	55.00%	10	12.50%	80	100.00%
Totals	46	14.02%	42	12.80%	182	55.49%	58	17.68%	328	100.00%

ASTRB1: Physics of the Cosmos

1. Upon completion the student will be able to: Demonstrate a correct understanding of the cause of a given phenomenon, the physical nature of a given object, and the properties and processes of a habitable world [this is the "what we know" SLO]

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Spring 2019	0	0.00%	0	0.00%	21	56.76%	16	43.24%	37	100.00%
Fall 2018	0	0.00%	0	0.00%	23	67.65%	11	32.35%	34	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	44	61.97%	27	38.03%	71	100.00%

2. Upon completion the student will be able to: Describe the scientific method, give the evidence for an explanation and describe the technique(s) used in determining either the property of something, how it interacts with its environment, or its origin and history [this is the "how we know" SLO]

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Spring 2019	0	0.00%	0	0.00%	18	48.65%	19	51.35%	37	100.00%
Fall 2018	0	0.00%	0	0.00%	18	52.94%	16	47.06%	34	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	36	50.70%	35	49.30%	71	100.00%

3. Upon completion the student will be able to: Solve word problems and apply concepts to new situations not given in the book or in lecture using logical, deductive reasoning.

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Spring 2019	0	0.00%	0	0.00%	18	48.65%	19	51.35%	37	100.00%
Fall 2018	0	0.00%	0	0.00%	18	52.94%	16	47.06%	34	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	36	50.70%	35	49.30%	71	100.00%

4. Upon completion the student will be able to: Use a computer to locate information on the internet.

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Spring 2019	0	0.00%	0	0.00%	37	100.00%	0	0.00%	37	100.00%
Fall 2018	0	0.00%	0	0.00%	34	100.00%	0	0.00%	34	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	71	100.00%	0	0.00%	71	100.00%

Totals for CSLOs

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Spring 2019	0	0.00%	0	0.00%	94	63.51%	54	36.49%	148	100.00%
Fall 2018	0	0.00%	0	0.00%	93	68.38%	43	31.62%	136	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	187	65.85%	97	34.15%	284	100.00%

ASTRB3: Solar System**1. Upon completion the student will be able to: Demonstrate a correct understanding of the cause of a given phenomenon, the physical nature of a given object, and the properties and processes of a habitable world [this is the "what we know" SLO]**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Spring 2019	0	0.00%	0	0.00%	15	68.18%	7	31.82%	22	100.00%
Fall 2018	0	0.00%	0	0.00%	18	66.67%	9	33.33%	27	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	33	67.35%	16	32.65%	49	100.00%

2. Upon completion the student will be able to: Describe the scientific method, give the evidence for an explanation and describe the technique(s) used in determining either the property of something, how it interacts with its environment, or its origin and history [this is the "how we know" SLO]

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	0	0.00%	0	0.00%	14	63.64%	8	36.36%	22	100.00%
Fall 2018	0	0.00%	0	0.00%	15	55.56%	12	44.44%	27	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	29	59.18%	20	40.82%	49	100.00%

3. Upon completion the student will be able to: Solve word problems and apply concepts to new situations not given in the book or in lecture using logical, deductive reasoning.

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	0	0.00%	0	0.00%	14	63.64%	8	36.36%	22	100.00%
Fall 2018	0	0.00%	0	0.00%	15	55.56%	12	44.44%	27	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	29	59.18%	20	40.82%	49	100.00%

4. Upon completion the student will be able to: Upon completion the student will be able to: Use a computer to locate information on the internet.

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	0	0.00%	0	0.00%	22	100.00%	0	0.00%	22	100.00%
Fall 2018	0	0.00%	0	0.00%	27	100.00%	0	0.00%	27	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	49	100.00%	0	0.00%	49	100.00%

Totals for CSLOs

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	0	0.00%	0	0.00%	65	73.86%	23	26.14%	88	100.00%
Fall 2018	0	0.00%	0	0.00%	75	69.44%	33	30.56%	108	100.00%
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	140	71.43%	56	28.57%	196	100.00%

Report Totals:

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2019	8	2.44%	15	4.57%	207	63.11%	98	29.88%	328	100.00%
Fall 2018	22	5.50%	17	4.25%	258	64.50%	103	25.75%	400	100.00%
Summer 2018	16	20.00%	10	12.50%	44	55.00%	10	12.50%	80	100.00%
Totals	46	5.69%	42	5.20%	509	63.00%	211	26.11%	808	100.00%