

SLO Performance Report (2019-20)

Program: Astronomy

Date: 08-17-2020

Terms: Spring 2020, Fall 2019, Summer 2019

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 2020	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2019	4	9.76%	10	24.39%	22	53.66%	5	12.20%	41	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	4	9.76%	10	24.39%	22	53.66%	5	12.20%	41	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 2020	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2019	4	9.76%	9	21.95%	21	51.22%	7	17.07%	41	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	4	9.76%	9	21.95%	21	51.22%	7	17.07%	41	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 2020	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2019	4	9.76%	6	14.63%	21	51.22%	10	24.39%	41	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	4	9.76%	6	14.63%	21	51.22%	10	24.39%	41	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 2020	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2020	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2019	12	9.76%	25	20.33%	64	52.03%	22	17.89%	123	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	12	9.76%	25	20.33%	64	52.03%	22	17.89%	123	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 2020	0	0.00%	0	0.00%	16	59.26%	11	40.74%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	17	68.00%	8	32.00%	25	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	33	63.46%	19	36.54%	52	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 2020	0	0.00%	0	0.00%	14	51.85%	13	48.15%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	15	60.00%	10	40.00%	25	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	29	55.77%	23	44.23%	52	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 2020	0	0.00%	0	0.00%	13	48.15%	14	51.85%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	15	60.00%	10	40.00%	25	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	28	53.85%	24	46.15%	52	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	
Spring 2020	0	0.00%	0	0.00%	27	100.00%	0	0.00%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	25	100.00%	0	0.00%	25	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	52	100.00%	0	0.00%	52	100.00%

Totals for CSLOs

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2020	0	0.00%	0	0.00%	70	64.81%	38	35.19%	108	100.00%
Fall 2019	0	0.00%	0	0.00%	72	72.00%	28	28.00%	100	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	142	68.27%	66	31.73%	208	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	
Spring 2020	0	0.00%	0	0.00%	16	59.26%	11	40.74%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	32	61.54%	20	38.46%	52	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	48	60.76%	31	39.24%	79	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 2020	0	0.00%	0	0.00%	16	59.26%	11	40.74%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	28	53.85%	24	46.15%	52	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	44	55.70%	35	44.30%	79	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 2020	0	0.00%	0	0.00%	15	55.56%	12	44.44%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	28	53.85%	24	46.15%	52	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	43	54.43%	36	45.57%	79	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 2020	0	0.00%	0	0.00%	27	100.00%	0	0.00%	27	100.00%
Fall 2019	0	0.00%	0	0.00%	52	100.00%	0	0.00%	52	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	79	100.00%	0	0.00%	79	100.00%

Totals for CSLOs

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2020	0	0.00%	0	0.00%	74	68.52%	34	31.48%	108	100.00%
Fall 2019	0	0.00%	0	0.00%	140	67.31%	68	32.69%	208	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	214	67.72%	102	32.28%	316	100.00%

Report Totals:

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Spring 2020	0	0.00%	0	0.00%	144	66.67%	72	33.33%	216	100.00%
Fall 2019	12	2.78%	25	5.80%	276	64.04%	118	27.38%	431	100.00%
Summer 2019	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	12	1.85%	25	3.86%	420	64.91%	190	29.37%	647	100.00%