

## COURSE SLO ASSESSMENT 4-YEAR TIMELINE

Unit Name	Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
El Camino: Course SLOs (NSC) - Astronomy	2013-14 (Fall 2013)	ECC: ASTR 20	The Solar System	SLO #1 Scientific Method	Students will be able to recognize the elements of the Scientific Method in the discussion of a scientific problem.
	2013-14 (Spring 2014)	ECC: ASTR 25	Stars and Galaxies	SLO #1 Scientific Method	Students will be able to recognize the elements of the Scientific Method in the discussion of a scientific problem.
	2014-15 (Fall 2014)	ECC: ASTR 12	Astronomy Laboratory	SLO #1 Scientific Method	Students will be able to apply the Scientific Method to the solution of astronomical problems.
	2014-15 (Fall 2014)	ECC: ASTR 20	The Solar System	SLO #3 Planet Origins	Students will be able to describe the modern theory of the origin of the planets and discuss the evidence that supports the theory.
	2014-15 (Spring 2015)	ECC: ASTR 25	Stars and Galaxies	SLO #3 Universe Origin	Students will be able to describe the modern theory of the origin of the universe (the Big Bang Theory) and discuss the evidence that supports the theory.
	2015-16 (Fall 2015)	ECC: ASTR 20	The Solar System	SLO #2 Seasons	Students will be able to explain the causes of seasonal variations in the length of the day, direction of sunrise and sunset, and the amount of solar heating on the Earth.
	2015-16 (Spring 2016)	ECC: ASTR 12	Astronomy Laboratory	SLO #2 Locating Celestial Objects	Using a Cassegrain reflecting telescope, students will be able to align the telescope and point it at several objects, including the Moon, planets visible to the naked eye, planets invisible to the naked eye, bright stars, faint stars, and diffuse objects (clusters, nebulae, and galaxies).
	2015-16 (Spring 2016)	ECC: ASTR 13	Astronomical Optics	SLO #1 Optical Surfaces	The student will understand and apply the principles of testing optical surfaces.
	2015-16 (Spring 2016)	ECC: ASTR 25	Stars and Galaxies	SLO #2 EM Radiation	Students will explain how electromagnetic radiation and astronomical instruments are used to reveal the properties of stars and planets.
	2017-18 (Fall 2017)	ECC: ASTR 20	The Solar System	SLO #1 Scientific Method	Students will be able to recognize the elements of the Scientific Method in the discussion of a scientific problem.
	2017-18 (Spring 2018)	ECC: ASTR 25	Stars and Galaxies	SLO #1 Scientific Method	Students will be able to recognize the elements of the Scientific Method in the discussion of a scientific problem.
	2018-19 (Fall 2018)	ECC: ASTR 12	Astronomy Laboratory	SLO #1 Scientific Method	Students will be able to apply the Scientific Method to the solution of astronomical problems.
	2018-19 (Fall 2018)	ECC: ASTR 20	The Solar System	SLO #3 Planet Origins	Students will be able to describe the modern theory of the origin of the planets and discuss the evidence that supports the theory.
	2018-19 (Spring 2019)	ECC: ASTR 25	Stars and Galaxies	SLO #3 Universe Origin	Students will be able to describe the modern theory of the origin of the universe (the Big Bang Theory) and discuss the evidence that supports the theory.
2019-20 (Fall 2019)	ECC: ASTR 20	The Solar System	SLO #2 Seasons	Students will be able to explain the causes of seasonal variations in the length of the day, direction of sunrise and sunset, and the amount of solar heating on the Earth.	
2019-20 (Spring 2020)	ECC: ASTR 12	Astronomy Laboratory	SLO #2 Locating Celestial	Using a Cassegrain reflecting telescope, students will be able to	

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	2019-20 (Spring 2020)	ECC: ASTR 12	Astronomy Laboratory	Objects	align the telescope and point it at several objects, including the Moon, planets visible to the naked eye, planets invisible to the naked eye, bright stars, faint stars, and diffuse objects (clusters, nebulae, and galaxies).
	2019-20 (Spring 2020)	ECC: ASTR 13	Astronomical Optics	SLO #1 Optical Surfaces	The student will understand and apply the principles of testing optical surfaces.
	2019-20 (Spring 2020)	ECC: ASTR 25	Stars and Galaxies	SLO #2 EM Radiation	Students will explain how electromagnetic radiation and astronomical instruments are used to reveal the properties of stars and planets.