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) - Physics	2013-14 (Spring 2014)	ECC: PHYS 11	Descriptive Introduction to Physics	SLO #1 Applying Relevant Principles	Given a description of a physical situation (floating ice cube, falling body,...) the student should be able to recognize the basic physical principles involved in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 1A	Mechanics of Solids	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving mechanics in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving heat, fluids or sound in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 1C	Electricity and Magnetism	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving electricity, magnetism or electromagnetism in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 1D	Optics and Modern Physics	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving optics or modern physics in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 2A	General Physics	SLO #1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation involving mechanics, heat, fluids or sound in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 2B	General Physics	SLO #1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation involving electricity, magnetism, electromagnetism, optics or modern physics in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 3A	General Physics With Calculus	SLO #1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation involving mechanics, heat, fluids or sound in order to correctly answer conceptual questions.
	2013-14 (Spring 2014)	ECC: PHYS 3B	General Physics With Calculus	SLO #1 Applying Relevant Principles	Students can recognize the physical principles of which are relevant in a given physical situation involving electricity, magnetism, electromagnetism, optics or modern physic in order to correctly answer conceptual questions.
	2014-15 (Fall 2014)	ECC: PSCI 25	Exploring Physical Sciences	SLO#1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation (floating object, falling object...) and explain how these principles are manifested in, and influence the behavior of a described physical situation.
	2014-15 (Spring 2015)	ECC: PHYS 1A	Mechanics of Solids	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a mechanics problem.
	2014-15 (Spring 2015)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #2 Solving Physics Problems	Students can identify and apply the laws of physics along with the necessary mathematics to successfully solve a problem dealing with

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	2014-15 (Spring 2015)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #2 Solving Physics Problems	heat, fluids or sound.
	2014-15 (Spring 2015)	ECC: PHYS 1C	Electricity and Magnetism	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a problem dealing with electricity, magnetism or electromagnetism.
	2014-15 (Spring 2015)	ECC: PHYS 1D	Optics and Modern Physics	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a problem dealing with optics or modern physics.
	2014-15 (Spring 2015)	ECC: PHYS 2A	General Physics	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a mechanics problem.
	2014-15 (Spring 2015)	ECC: PHYS 2B	General Physics	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a problem dealing with electricity, magnetism, electromagnetism, optics or modern physics.
	2014-15 (Spring 2015)	ECC: PHYS 3A	General Physics With Calculus	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a mechanics problem.
	2014-15 (Spring 2015)	ECC: PHYS 3B	General Physics With Calculus	SLO #2 Solving Physics Problems	Students can identify and apply the laws of physics along with the necessary mathematics to successfully solve a problem dealing with electricity, magnetism, electromagnetism, optics or modern physics.
	2015-16 (Spring 2016)	ECC: PHYS 12	Laboratory for Introductory Physics	SLO #1 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a ruler a vernier and a protractor. Students can interpret and analyze that data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 1A	Mechanics of Solids	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a Vernier caliper and a micrometer caliper. Students can interpret and analyze the collected data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from an instrument used to measure temperatures, densities or pressures. Students can interpret and analyze that data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 1C	Electricity and Magnetism	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a multimeter and a voltmeter. Students can interpret and analyze that data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 1D	Optics and Modern Physics	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from an instrument used in an optics lab.. Students can interpret and analyze the collected data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 2A	General Physics	SLO #3 Data Collection &	Students demonstrate ability to correctly read and record, with

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	2015-16 (Spring 2016)	ECC: PHYS 2A	General Physics	Analysis	appropriate units and uncertainties, measurements taken from a vernier caliper and a micrometer caliper. Students can interpret and analyze the collected data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 2B	General Physics	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a multimeter. Students can interpret and analyze that data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 3A	General Physics With Calculus	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a Vernier caliper and a micrometer caliper. Students can interpret and analyze that data, including error analysis.
	2015-16 (Spring 2016)	ECC: PHYS 3B	General Physics With Calculus	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a multimeter. Students can interpret and analyze that data, including error analysis.
	2017-18 (Spring 2018)	ECC: PHYS 11	Descriptive Introduction to Physics	SLO #1 Applying Relevant Principles	Given a description of a physical situation (floating ice cube, falling body,...) the student should be able to recognize the basic physical principles involved in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 1A	Mechanics of Solids	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving mechanics in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving heat, fluids or sound in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 1C	Electricity and Magnetism	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving electricity, magnetism or electromagnetism in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 1D	Optics and Modern Physics	SLO #1 Applying Relevant Principles	Students can recognize the basic physical principles which are relevant in a given physical situation involving optics or modern physics in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 2A	General Physics	SLO #1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation involving mechanics, heat, fluids or sound in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 2B	General Physics	SLO #1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation involving electricity, magnetism, electromagnetism, optics or modern physics in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 3A	General Physics With Calculus	SLO #1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation involving mechanics, heat, fluids or sound in order to correctly answer conceptual questions.
	2017-18 (Spring 2018)	ECC: PHYS 3B	General Physics With Calculus	SLO #1 Applying Relevant Principles	Students can recognize the physical principles of which are relevant in a given physical situation involving electricity, magnetism,

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	2017-18 (Spring 2018)	ECC: PHYS 3B	General Physics With Calculus	SLO #1 Applying Relevant Principles	electromagnetism, optics or modern physic in order to correctly answer conceptual questions.
	2018-19 (Spring 2019)	ECC: PHYS 1A	Mechanics of Solids	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a mechanics problem.
	2018-19 (Spring 2019)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #2 Solving Physics Problems	Students can identify and apply the laws of physics along with the necessary mathematics to successfully solve a problem dealing with heat, fluids or sound.
	2018-19 (Spring 2019)	ECC: PHYS 1C	Electricity and Magnetism	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a problem dealing with electricity, magnetism or electromagnetism.
	2018-19 (Spring 2019)	ECC: PHYS 1D	Optics and Modern Physics	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a problem dealing with optics or modern physics.
	2018-19 (Spring 2019)	ECC: PHYS 2A	General Physics	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a mechanics problem.
	2018-19 (Spring 2019)	ECC: PHYS 2B	General Physics	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a problem dealing with electricity, magnetism, electromagnetism, optics or modern physics.
	2018-19 (Spring 2019)	ECC: PHYS 3A	General Physics With Calculus	SLO #2 Solving Physics Problems	Students can identify and apply the relevant laws of physics along with the necessary mathematics to successfully solve a mechanics problem.
	2018-19 (Spring 2019)	ECC: PHYS 3B	General Physics With Calculus	SLO #2 Solving Physics Problems	Students can identify and apply the laws of physics along with the necessary mathematics to successfully solve a problem dealing with electricity, magnetism, electromagnetism, optics or modern physics.
	2019-20 (Fall 2019)	ECC: PSCI 25	Exploring Physical Sciences	SLO#1 Applying Relevant Principles	Students can identify the physical principles which are relevant in a given physical situation (floating object, falling object...) and explain how these principles are manifested in, and influence the behavior of a described physical situation.
	2019-20 (Spring 2020)	ECC: PHYS 12	Laboratory for Introductory Physics	SLO #1 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a ruler a vernier and a protractor. Students can interpret and analyze that data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 1A	Mechanics of Solids	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a Vernier caliper and a micrometer caliper. Students can interpret and analyze the collected data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from an instrument used to measure temperatures, densities or pressures. Students can

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	2019-20 (Spring 2020)	ECC: PHYS 1B	Fluids, Heat and Sound	SLO #3 Data Collection & Analysis	interpret and analyze that data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 1C	Electricity and Magnetism	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a multimeter and a voltmeter. Students can interpret and analyze that data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 1D	Optics and Modern Physics	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from an instrument used in an optics lab.. Students can interpret and analyze the collected data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 2A	General Physics	SLO #3 Data Collection & Analysis	Students demonstrate ability to correctly read and record, with appropriate units and uncertainties, measurements taken from a vernier caliper and a micrometer caliper. Students can interpret and analyze the collected data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 2B	General Physics	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a multimeter. Students can interpret and analyze that data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 3A	General Physics With Calculus	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a Vernier caliper and a micrometer caliper. Students can interpret and analyze that data, including error analysis.
	2019-20 (Spring 2020)	ECC: PHYS 3B	General Physics With Calculus	SLO #3 Data Collection & Analysis	Students can read and record, with appropriate units and uncertainties, measurements taken from a multimeter. Students can interpret and analyze that data, including error analysis.