

## Transfer Program Outcomes Crosswalk and 7-Year Assessment Plan – Physics and Astronomy Departments

IO1 Communication: Students will be able to communicate clearly and effectively.

IO2 Quantitative Reasoning: Students will be able to reason mathematically.

IO3 Human Relations/Workplace Skills: Students will be able to demonstrate teamwork, ethics, appropriate safety awareness and/or workplace specific skills.

PO4 Students will be able to recognize or articulate personal/interpersonal aspects of, or connections between, diverse cultural, social, or political contexts.

PO5 Students will be able to solve problems by gathering, interpreting, combining and/or applying information from multiple sources.

### Program and Course Crosswalk

Course	Course Title	IO1	IO2	IO3	PO4	PO5
ASTR 105	Observational Astronomy	Not currently taught.				
ASTR&100	Survey of Astronomy		X			X
ASTR&101	Intro to Astronomy		X			X
PHYS&110	Physics for Non-Science Majors		X			X
PHYS&114	General Physics I W/Lab		X			X
PHYS&115	General Physics II W/Lab		X			X
PHYS&116	General Physics III W/Lab		X			X
PHYS&221	Engineering Physics I		X			X
PHYS&222	Engineering Physics II		X			X
PHYS&223	Engineering Physics III		X			X

### 7-year Assessment Plan

Course	Course Title		21-22	22-23	23-24	24-25	25-26	26-27	27-28
ASTR 105	Observational Astronomy	X							
ASTR&100	Survey of Astronomy			IO2			PO5		
ASTR&101	Intro to Astronomy				PO5			IO2	
PHYS&110	Physics for Non-Science Majors		PO5			IO2			
PHYS&114	General Physics I W/Lab			IO2			PO5		
PHYS&115	General Physics II W/Lab				PO5			IO2	
PHYS&116	General Physics III W/Lab		PO5			IO2			PO5
PHYS&221	Engineering Physics I			IO2			PO5		
PHYS&222	Engineering Physics II				PO5			IO2	
PHYS&223	Engineering Physics III		PO5			IO2			PO5

**For your reference:**

Academic Year:	21-22	22-23	23-24	24-25	25-26	26-27	27-28
Assessment Cycle Year:	Yr 5	Yr 6	Yr 7	Yr 1	Yr 2	Yr 3	Yr 4
College-wide Assessment of IOs:	IO3	IO3 again or POs	POs	IO1	IO1 again or POs	IO2	IO2 again or POs