



College/University: Prairie View A&M University
 Department: Physics

Curriculum Map

T – competency is taught; R – Competency is reinforced; I – Competency is utilized/integrated

Learning Outcome	PHYS 1001	PHYS 2513	PHYS 2511	PHYS 2523	PHYS 2521	PHYS 3183	PHYS 3103	PHYS 3123	PHYS 4473	PHYS 4103	PHYS 3163	PHYS 4023	PHYS 4011	Electives:
1. An ability to apply knowledge of mathematics, physics and modern computing tools to scientific and engineering problems.		T		R		R	T	T	I		R	T		I
2. An ability to design and conduct experiments, as well as to analyze and interpret data.			T		R				I	R				

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3. An ability to function on multi-disciplinary teams.	T		T						I	R				I
4. An ability to identify, formulate, and solve real world problems.													R	
5. An understanding of personal, professional and ethical integrity and responsibility.	T								I				R	
6. An ability to communicate effectively with written, oral and visual means.	T		T		R	I			I	R			R	I

Learning Outcome	PHYS 1001	PHYS 2513	PHYS 2511	PHYS 2523	PHYS 2521	PHYS 3183	PHYS 3103	PHYS 3123	PHYS 4473	PHYS 4103	PHYS 3163	PHYS 4023	PHYS 4011	Electi ves:
<p>7. A knowledge of contemporary issues necessary to understand the impact of scientific and engineering solutions in a global and societal context.</p>	T					T			I				R	I
<p>8. A recognition of the need for and an ability to engage in life-long learning.</p>									I				R	I