Physics Department

	VSL Goals appear below and Program Goals appear to the right. Make a mark in the appropriate cell if you program goals help achieve VSL goals.	1A	1B	2A	2B	3A	3B	3C
Our students engage in rigorous inquiry and informed deliberation by:								
I1	· investigating and researching underlying causes and connections	X		X	X	X		X
I2	· synthesizing evidence from multiple sources	X	X	X	X	X	X	X
I3	· designing ways to answer their questions	X						X
I4	· acquiring the skills to evaluate arguments and evidence critically	X	X					X
I5	· developing independent, nuanced, and thoughtful analyses	X		X	X		X	X
I6	· making connections among different bodies of knowledge			X	X	X		
I7	· communicating their findings effectively and persuasively through written, oral, experiential, visual, or other appropriate methods	X				X		X
I8	· reflecting on their studies and being prepared to engage with the world based on their inquiry and deliberation							X
Hendrix College students actively and reflectively engage with multiple communities by:								
MC1	· understanding the past, present, and future needs of the earth and of humanity, and of the challenges of our interdependence		X					
MC2	· considering ethical conundrums from conflicting perspectives							
MC3	· bringing their experiences in the wider community back to the classroom to enhance their course of study							
The Hendrix College community supports these goals by:								
C1	· fostering an awareness of different cultures through a commitment to diversity and inclusion							
C2	· providing opportunities for students to confront the diverse challenges and needs of our shared communities in order to inspire them to lead lives of service							
The college community provides opportunities for students to develop as whole persons in their personal and professional lives by:								
WP1	· guiding students in examining their abilities and strengths							X
WP2	· helping them recognize how their skills can work for them and for the good of others, both now and in the future							X
WP3	· providing tools and opportunities to prepare our students for their prospective professional lives	X		X	X			X
WP4	· striving to inspire students to lead lives of accomplishment as both leaders and team members							X
WP5	· encouraging their development into individuals who are independent, responsible, and attentive to their own mental and physical well-being							X

WP6	· nurturing their life-long love of learning, both about themselves and about the world as curious, creative, and active participants in life and in their communities.	X						X
1	To provide science and non-science students with an introduction to both the methodology of the physical sciences and the major models of reality							
	developed in the physical sciences.							
A	To provide all students with opportunities to understand and practice the methodology of the physical sciences.							
B	To provide students with a grasp of the historical development of models of the physical world, the experimental basis of these models,							
	and how these models have impacted how humanity views reality.							
2	To provide Biology, Chemistry, Physical Chemistry, Biochemistry/Molecular Biology and Mathematics students with the background in							
	theoretical and applied physics necessary for their chosen field of academic specialization.							
A	Biologists and Chemists need to understand the physical laws of mechanics, electrodynamics, thermodynamics, and atomic physics that are crucial to their disciplines.							
B	Mathematicians need to see how mathematics is applied to the description of natural phenomena.							
3	To provide physics majors with an in-depth study in the field of physics.							
A	A clear understanding of the experimental basis of all fundamental physical theories. They should understand the major theories							
	and be able to explain how they follow from experimental results.							
B	A panoramic view of the field of physics with enough detail to enable them to easily make connections with new information in physics,							
	and thereby more readily assimilate new information.							
C	Undergraduate research. We feel that students don't really understand the nature of the field of physics until they have practiced it,							
	reported their results at a meeting involving students from other institutions, and compared the quality of their work with that of students at other institutions.							
	Since we consider ourselves a national liberal arts college, this comparison should be at the national level.							