

Program Physics Program Coordinator Hyung Choi

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Program Mission Statement:

The Physics Program strives to provide students with quality education in physics in a caring Christian environment.

Program/Major Objectives: *Qualities and competencies expected in graduates from this program/major*

At the close of their degree students should be able to:

1. Explain various concepts in Physics. (Knowledge)
2. Comprehend key principles and theories in Physics. (Comprehension)
3. Solve problems using laws and principles of Physics. (Application)
4. Use lab equipment and theories in labs, perform experiments, and analyze results. (Analysis)
5. Demonstrate an understanding of contemporary and unresolved issues in Physics. (Synthesis)
6. Advance in solving complex or unresolved physics problems. (Advanced Comprehension)
7. Appreciate God's creation and consider one's career calling through physics. (Evaluation)

Student Learning Outcomes	Program Objective Number	Course Number	Course Objective Number	Assignment in Course	Assessment Method	Level of Mastery expected in this course
1. Seek Truth Through Critical Inquiry and Research						
1.1 Practice critical self-awareness						
1.2 Understand our world and comprehend quantitative and conceptual relationships	2	PHYS200	2	A Portion of Exam	Numeric, 70%	I
	5	PHYS220	2	A Portion of Exam	Numeric, 70%	I
	2	PHYS311	2	A Portion of Exam	Numeric, 70%	D
	5	PHYS324	2	A Portion of Exam	Numeric, 70%	D
	6	PHYS409	2	Essay & Presentation	Numeric, 70%	M
1.3 Think integratively to solve problems	3	PHYS220	3	A portion of Exam	Numeric, 70%	I
	3	PHYS311	3	A portion of Exam	Numeric, 70%	D
	3	PHYS401	2	Essay & Presentation	Numeric, 70%	M
1.4 Apply skills and systematic reasoning	1	PHYS200	1	A Portion of Exam	Numeric, 70%	I
	4	PHYS220	4	A Portion of Exam	Numeric, 70%	I
	1	PHYS311	1	A Portion of Exam	Numeric, 70%	D
	4	PHYS324	4	A Portion of Exam	Numeric, 70%	D
	1	PHYS401	1	A Portion of Exam	Numeric, 70%	M
	4	PHYS403	2	A Portion of Exam	Numeric, 70%	M
2. Collaborate and Communicate						
2.1 Communicate and Cooperate						
2.2 Value others						
3. Engage Culture and Be Creative						
3.1 Demonstrate cultural awareness						
3.2 Demonstrate creativity and appreciation for arts, beauty, and ideas						
4. Demonstrate Faith and Learning in Action						
4.1 Recognize worldviews						

Physics Program Learning Objective Alignment Worksheet

Revised January 2018

Student Learning Outcomes	Program Objective Number	Course Number	Course Objective Number	Assignment in Course	Assessment Method	Level of Mastery expected in this course
4. Demonstrate Faith and Learning in Action						
4.2 Apply Christian values	7	PHYS220	5	Essay	Numeric, 70%	I
	7	PHYS324	5	Essay	Numeric, 70%	D
	7	PHYS409	3	Essay & Presentation	Numeric, 70%	M
4.3 Respond to God	7	PHYS220	5	Essay	Numeric, 70%	I
	7	PHYS324	5	Essay	Numeric, 70%	D
	7	PHYS409	3	Essay & Presentation	Numeric, 70%	M
4.4 Maintain healthy self-regard and a growth-focused lifestyle						