

PhD in Physics

Year 1: Fall Semester (1st Semester)		Year 1: Spring Semester (2nd Semester)	
Course	ECTS credits	Course	ECTS credits
Research Methods & Ethics (DENG 782)	6	Current Research Literature (PHYS 701)	6
Classical Mechanics (PHYS 705)	8*	Quantum Mechanics (PHYS 710)	8*
Thesis Research (PHYS 700)	0		
L-9 Graduate Elective Course 1	8		
L-9 Graduate Elective Course 2	8	L-9 Graduate Elective Course 3	8
		L-9 Graduate Elective Course 4	8
<b>SEMESTER SUBTOTAL:</b>	<b>30</b>	<b>SEMESTER SUBTOTAL:</b>	<b>30</b>
Year 1: Summer Semester			
Course	ECTS credits		
PHYS 700 Thesis Research	0		
<b>SEMESTER SUBTOTAL:</b>	<b>0</b>		

Year 2: Fall Semester (3rd Semester)		Year 2: Spring Semester (4th Semester)	
Course	ECTS credits	Course	ECTS credits
PHYS 700 Thesis Research	0	PHYS 700 Thesis Research	0
<b>SEMESTER SUBTOTAL:</b>	<b>0</b>	<b>SEMESTER SUBTOTAL:</b>	<b>0</b>

Year 2: Summer Semester	
Course	ECTS credits
PHYS 700 Thesis Research	0
<b>SEMESTER SUBTOTAL:</b>	<b>0</b>

Year 3: Fall Semester (5th Semester)		Year 3: Spring Semester (6th Semester)	
Course	ECTS credits	Course	ECTS credits
PHYS 700 Thesis Research	0	PHYS 700 Thesis Research	0
<b>SEMESTER SUBTOTAL:</b>	<b>0</b>	<b>SEMESTER SUBTOTAL:</b>	<b>0</b>

Year 3: Summer Semester	
Course	ECTS credits
PHYS 700 Thesis Research	0
<b>SEMESTER SUBTOTAL:</b>	<b>0</b>

Year 4: Fall Semester (7th Semester)		Year 4: Spring Semester (8th Semester)	
Course	ECTS credits	Course	ECTS credits
PHYS 700 Thesis Research	0	Doctoral Thesis (PHYS 800)	180
<b>SEMESTER SUBTOTAL:</b>	<b>0</b>	<b>SEMESTER SUBTOTAL:</b>	<b>0</b>

Year 5: Summer Semester	
Course	ECTS credits
Doctoral Thesis (PHYS 800)	180
<b>SEMESTER SUBTOTAL:</b>	<b>180</b>

**List of L-9 graduate elective (and core) courses for PhD in the Department of Physics**

Offered by the Physics Department (PHYS):

- PHYS 700 Thesis Research\*
- PHYS 701 Current Research Literature
- PHYS 705 Classical Mechanics\*
- PHYS 710 Quantum Mechanics\*
- PHYS 711 Computational Modeling and Simulation
- PHYS 715 Classical Electrodynamics
- PHYS 720 Statistical Physics
- PHYS 750 Advanced Mathematical Physics
- PHYS 774 Lasers and Photonics
- PHYS 730 Condensed Matter Physics

\*Core courses for PhD in Physics program.