

NATIONAL INSTITUTE OF PHYSICS  
College of Science, University of the Philippines  
Diliman, Quezon City

**PROGRAM OF STUDY**

Original

Revised

**STUDENT'S NAME**

**STUDENT NO.**

**DEGREE PROGRAM**            PhD Physics

**MINIMUM NO. OF UNITS REQUIRED:**

**MAXIMUM RESIDENCY PERIOD:**

**UNDERGRADUATE COURSES TO BE COMPLETED WITHOUT CREDIT:**

**GRADUATE CORE COURSES**

| <b>Course No.</b> | <b>Course Title</b>          | <b>Units</b> | <b>Grade</b> | <b>Sem/Year</b>                 |
|-------------------|------------------------------|--------------|--------------|---------------------------------|
| Physics 221       | Classical Mechanics I        | 3.0          |              | 1st sem AY 2021-2022 (1st Year) |
| Physics 231       | Classical Electrodynamics I  | 3.0          |              | 1st sem AY 2021-2022 (1st Year) |
| Physics 232       | Classical Electrodynamics II | 3.0          |              | 2nd sem AY 2021-2022 (1st Year) |
| Physics 241       | Quantum Mechanics I          | 3.0          |              | 1st sem AY 2021-2022 (1st Year) |
| Physics 242       | Quantum Mechanics II         | 3.0          |              | 2nd sem AY 2021-2022 (1st Year) |
| Physics 251       | Statistical Mechanics I      | 3.0          |              | 2nd sem AY 2021-2022 (1st Year) |

**GRADUATE ELECTIVE COURSES**

| <b>Course No.</b>  | <b>Course Title</b>                                | <b>Units</b> | <b>Grade</b> | <b>Sem/Year</b>                 |
|--------------------|--|--------------|--------------|---------------------------------|
| Physics 225        | General Relativity I                               | 3.0          |              | 1st sem AY 2022-2023 (2nd Year) |
| Physics 245        | Advanced Quantum Mechanics I                       | 3.0          |              | 1st sem AY 2022-2023 (2nd Year) |
| Physics 215        | Computational Methods of Physics                   | 3.0          |              | 1st sem AY 2022-2023 (2nd Year) |
| Physics 226        | General Relativity II                              | 3.0          |              | 2nd sem AY 2022-2023 (2nd Year) |
| Physics 341        | Quantum Field Theory I                             | 3.0          |              | 2nd sem AY 2022-2023 (2nd Year) |
| Physics 325        | Advanced Topics in Gravitation I                   | 3.0          |              | 1st sem AY 2023-2024 (3rd Year) |
| Physics 281 or 285 | Nuclear Physics I or Elementary Particle Physics I | 3.0          |              | 1st sem AY 2023-2024 (3rd Year) |
| Physics 326        | Advanced Topics in Gravitation II                  | 3.0          |              | 2nd sem AY 2023-2024 (3rd Year) |
| Physics 271 or 265 | Solid State I or Modern Optics I                   | 3.0          |              | 2nd sem AY 2023-2024 (3rd Year) |

**AUDIT COURSES**

| <b>Course No.</b> | <b>Course Title</b> | <b>Units</b> | <b>Grade</b> | <b>Sem/Year</b>      |
|-------------------|---------------------|--------------|--------------|----------------------|
| Physics ____      |                     | 3.0          |              | 1st sem AY 2021-2022 |

**OTHER GRADUATE COURSES**

| <b>Course No.</b> | <b>Course Title</b>   | <b>Units</b> | <b>Grade</b> | <b>Sem/Year</b>                 |
|-------------------|-----------------------|--------------|--------------|---------------------------------|
| Physics 290       | Graduate Colloquium   | 1.0          |              | 1st sem AY 2023-2024 (3rd Year) |
| Physics 290       | Graduate Colloquium   | 1.0          |              | 2nd sem AY 2023-2024 (3rd Year) |
| Physics 296       | Graduate Seminar      | 1.0          |              | 1st sem AY 2024-2025 (4th Year) |
| Physics 300       | Doctoral Dissertation | 3.0          |              | 2nd sem AY 2022-2023 (2nd Year) |
| Physics 300       | Doctoral Dissertation | 3.0          |              | 1st sem AY 2023-2024 (3rd Year) |
| Physics 300       | Doctoral Dissertation | 3.0          |              | 2nd sem AY 2023-2024 (3rd Year) |
| Physics 300       | Doctoral Dissertation | 3.0          |              | 1st sem AY 2024-2025 (4th Year) |

Submitted by:

Approved by:

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Program Adviser  
NIP

WILSON O. GARCIA, Ph.D.  
Chair, Graduate Committee  
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