



**DOW UNIVERSITY OF HEALTH SCIENCES**

**SCHOOL OF POSTGRADUATE STUDIES**

**Ph.D in PHYSIOLOGY**

**PROGRAM SPECIFICATION 2026–27**

## PROGRAM SPECIFICATION

Item	Description
Course Title (HEC)	PhD in Physiology
Course Duration	3–8 Years
Type of Study	Full Time
Study System	Semester System
Total Credit Hours	48
Credit Hour Distribution	18 CH Coursework + 30 CH Thesis
Study Hours Distribution	16 weeks teaching, 2 weeks examination, 2 weeks break
Assessment	Continuous Assessment 30%, Final Examination 70%
Teaching Institution	School of Postgraduate Studies
Degree Awarding Institution	Dow University of Health Sciences, Karachi

## APPENDIX-I: MODULES WITH CREDIT HOURS

Year	Semester	Course Title	Course Code	Credit Hours
1	I	Advanced Research Methodology	PHY 801	3
1	I	Advanced Biostatistics & Data Analytics	PHY 803	3
1	I	Advanced Molecular & Cellular Physiology	PHY 805	3
1	II	Systems Physiology & Integrative Biology	PHY 807	3
1	II	Translational Physiology & Biomedical Innovation	PHY 809	3
1	II	Scientific Writing, Ethics & Grant Development	PHY 811	3
2-4	III-VIII	Research Work, Publications and Thesis	PHY 899	30
		TOTAL CREDIT HOURS		48

# **PROGRAM LEARNING OUTCOMES**

- Demonstrate advanced knowledge of molecular, cellular and systems physiology.
- Design and conduct independent original research.
- Apply advanced laboratory and analytical techniques.
- Critically evaluate scientific literature.
- Publish research in peer-reviewed journals.
- Demonstrate academic leadership and teaching excellence.
- Collaborate in multidisciplinary research teams.
- Translate physiological discoveries into healthcare improvements.