

Baba Farid University of Health Sciences



Ph.D. [Course Work]

**(Doctor of Philosophy Degree Program)
Choice Based Credit System (CBCS)
(NEP-2020)**

(To be implemented from Academic Year 2026)

**Baba Farid University of Health Sciences
Faridkot-151203, Punjab (India)**

**PROGRAMME STRUCTURE AND SCHEME OF EXAMINATION
(Ph.D. COURSE WORK) (CBCS-2026) (AS PER NEP-2020)**

		SEMESTER-I (YEAR-1)										
Semester	Course Code	Title of the Paper(s)	Course Type	Credits					Marks			
				L	T	P	D	C	EA	IA	TM	
SEMESTER-I	PHD -101 (Course – I)	RESEARCH METHODOLOGY	CC	4	0	0	0	4	80	20	100	
	PHD -102 (Course – II)	RESEARCH AND PUBLICATION ETHICS	CC	2	0	0	0	2	80	20	100	
	*PHD - (Course – III)	OPTION-I	OE/MC-I	3	0	0	0	3	80	20	100	
	**PHD - (Course – IV)	OPTION-II	OE/MC-II	2	0	0	0	2	80	20	100	
	PHD -121 (Course – V)	CREDIT SEMINAR	CC	0	1	0	0	1	80	20	100	
	SUB-TOTAL				11	1	0	0	12	400	100	500
			<p style="text-align: center;">Optional Elective (OE)/Major Course (MC-I)/ Optional Elective (OE)/Minor Course (MC-II) (Compulsory) (Any two courses-taking one from each option)</p> <p style="text-align: center;">*OPTION-I (Major Course)</p> <p>PHD - 103- PHD - 104- PHD - 105-</p> <p style="text-align: center;">**OPTION-II (Minor Course)</p> <p>PHD - 106- PHD - 107- PHD - 108-</p>									
		<p>CC: Compulsory Course / OE: Optional Elective/ MC: Major Course/ OE: Optional Elective/ MC: Minor Course /L: Lecture/ T: Tutorial/ P: Practical/ D: Dissertation/ C: Credit/ EA: External Assessment/ IA: Internal Assessment/ TM: Total Marks</p>										

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -101:: RESEARCH METHODOLOGY (Semester-I)

L+T+P+D	:	4+0+0+0	Relative weightage		
Credits:	:	4	Internal Assessment/Exam	:	20
Contact hours	:	56	End-semester Examination	:	80

Unit	Content	Lectures
I	History, myths and ethnic practices; need, importance and impact of research; types of research; research process.	5
II	Synopsis writing: Selecting research problem, formulation of research projects; survey of literature; research infrastructure; experimental designs; sampling designs; recording of observations; measurement and scaling techniques; GLPs.	8
III	Formulation and types of hypothesis; collection, maintenance, storage and analysis of data; measures of central tendencies and relationships and error analysis; tests of significance.	7
IV	Compilation and presentation of results, Writing of manuscripts; research reports and thesis; organization of reference material using endnote; bibliography; plagiarism; IPR and patent application, entrepreneurship.	8
V	Financial support and various funding agencies; Multidisciplinary and multi-institutional research; writing research proposal for external funding.	6
VI	Computer and informatics; introduction; word processing, excel, power point presentation; graph and figure plotting; web browsing; information resources and various databases.	8
VII	Demonstration of departmental research activities and instrumentation.	14

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -102:: RESEARCH AND PUBLICATION ETHICS (Semester-I)
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L+T+P+D	:	2+0+0+0	Relative weightage	
Credits:	:	2	Internal Assessment/Exam	: 20
Contact hours	:	28	End-semester Examination	: 80

Unit	Contents	Lectures
I	Philosophy and Ethics: Introduction to philosophy: definition, nature and scope, concept, branches. Ethics: definition, moral philosophy, nature of moral judgements and reactions.	4
II	Scientific Conduct: Ethics with respect to science and research. Intellectual honesty and research integrity. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP). Redundant publications: duplicate and overlapping publications, salami slicing. Selective reporting and misrepresentation of data.	5
III	Publication Ethics: Publication ethics: definition, introduction and importance. Best practices / standards setting initiative and guidelines: COPE, WAME, etc. Conflicts of interest. Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice versa, types. Violation of publication ethics, authorship and contributorship. Identification of publication misconduct, complains and appeals. Predatory publishers and journals.	7
IV	Open Access Publishing: Open access publications and initiatives. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies. Software tools to identify predatory publications developed by SPPU. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc. Publication Misconduct: Group Discussions: Subject specific ethical issues, FFP, authorship. Conflicts of interest. Complaints and appeals: examples and fraud from India and abroad. Software tools: Use of plagiarism software like Turnitin, Urkund and other open source software tools.	7
V	Databases and Research Metrics: Databases: Indexing databases. Citation databases: Web of Science, Scopus, etc. Research Metrics: Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score. Metrics: h-index, g index, i10 index, altmetrics.	5

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -103:: (Semester-I)

L+T+P+D : 3+0+0+0
Credits: : 3
Contact hours : 42

Relative weightage
Internal Assessment/Exam : 20
End-semester Examination : 80

Unit	Content	Lectures
I		
II		
III		
IV		
V		

BABA FARID UNIVERSITY OF HEALTH SCIENCES

**PHD -104::
(Semester-I)**

L+T+P+D : 3+0+0+0
Credits: : 3
Contact hours : 42

Relative weightage
Internal Assessment/Exam : 20
End-semester Examination : 80

Unit	Content	Lectures
I		
II		
III		
IV		
V		

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -105::

(Semester-I)

L+T+P+D : 3+0+0+0

Credits: : 3

Contact hours : 42

Relative weightage

Internal Assessment/Exam : 20

End-semester Examination : 80

Unit	Contents	Lectures
I	a.	
II	a.	
III		
IV		
V		

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -106:: (Semester-I)

L+T+P+D : 2+0+0+0
Credits: : 2
Contact hours : 28

Relative weightage
Internal Assessment/Exam : 20
End-semester Examination : 80

Unit	Contents	Lectures
I		
II		
III		
IV		
V		

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -107:: (Semester-I)

L+T+P+D : 2+0+0+0
Credits: : 2
Contact hours : 28

Relative weightage
Internal Assessment/Exam : 20
End-semester Examination : 80

Unit	Contents	Lectures
I	b.	
II	b.	
III		
IV		
V		

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -108:: (Semester-I)

L+T+P+D : 2+0+0+0
Credits: : 2
Contact hours : 28

Relative weightage
Internal Assessment/Exam : 20
End-semester Examination : 80

Unit	Contents	Lectures
I	c.	
II	c.	
III		
IV		
V		

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHD -121:: CREDIT SEMINAR (Semester-I)

L+T+P+D : 0+1+0+0

Credits: : 1

Contact hours : 14

Relative weightage

Internal Assessment/Exam : 20

End-semester Examination : 80

Unit	Contents	Lectures
I		
II		
III		
IV		
V		