Punyashlok Ahilyadevi Holkar Solapur University, Solapur

NAAC Accredited-2015
'B' Grade (CGPA 2.62)

Name of the Faculty: Science & Technology

CHOICE BASED CREDIT SYSTEM

Ph.D. Course Work Instructions & Structure

Name of the Course: Ph. D. Course Work All Paper

(Syllabus to be implemented from w.e.f. June 2021)

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Ph.D. Course Work Instructions & Structure confirmed on 03/11/2020

Ph. D. Course Work New Structure w.e.f. 2021-22

Ph.D. Course Work Instructions

१) पीएच.डी. कोर्स वर्क अभ्यासक्रम हा CBCS पॅटर्न प्रमाणे ८०-२० गुण याप्रमाणे असावा.

   80 Marks Theory Paper Internal 20 Marks based on Seminar, Tutorial & Unit Test. It will be Conducted by concerned subject techer.

२) पीएच.डी. कोर्स वर्क अभ्यासक्रम एकूण ५०० गुणांचा असावा. एम.फील. उत्तीर्ण असणा-या विद्यार्थ्यानांही हा कोर्स पास होणे बंधनकारक असेल.

३) पीएच.डी. कोर्स वर्कसाठी अंतर्गत मूल्यमापन (Internal Evaluation) ला उत्तीर्ण असणे आवश्यक आहे. जर विद्यार्थी Internal Evaluation पेपरला बसला नाही अथवा उत्तीर्ण झाला नाही तर संबंधित पेपर मध्ये असा विद्यार्थी अनुत्तीर्ण असेल.

४) पीएच. डी. परीक्षेचे प्रश्नपत्रिकेची भाषा व उत्तरे लिहिण्याची भाषा खालीलप्रमाणे राहील.

Paper No. & Paper Title	Language of Question Paper	Medium of Answer
I – Research Methodology	English & Marathi	English & Marathi
II – (A) Information Computer Technology (ICT) (B) Research & Publication Ethics (As per UGC Guidelines)	English & Marathi	English & Marathi
III – Advanced Knowledge In Core domain of concerned subjects	English & Language of concerned subject	English & Language of concerned subject

५) ज्या विषयासाठी सॉफ्टवेअर उपलब्ध आहे अशा सर्व चारही विद्याशाखेमधील विषयातील पीएच.डी. विद्यार्थ्याचे प्लॅगॅरिझम Check करणे व ते यूजीसी/विद्यापीठ या अंतर्गत असणा-या गाईड लाईन्स् प्रमाणे असेल तरच प्रबंध स्विकारला जाईल.

६) Passing करिता एकूण गुणांच्या कमीत-कमी ५०% गुण असावेत.

७) संगणक संबंधित M.Sc. Computer Science, M.C.A., M.Tech. (Computer Engg.) & M.Tech. (Computer Science) या पदव्युत्तर अभ्यासक्रमाच्या उत्तीर्ण विद्यार्थ्यांकरिता Course Structure-२ मधील (A) Information and Computer Technology (I.C.T.) हा पेपर देणे बंधनकारक नाही.

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Ph. D. Course Work New Structure w.e.f. 2021-22

Paper-wise Units & Credits/Hours/Marks

Course/Paper-1 (Research Methodology)

Unit-I	General perceptions, views, statements and approaches, etc------	6 hrs.
		0.5 Credit
		10 Marks
Unit-II	Methods of research------	12 hrs.
		01 Credit
		20 Marks
Unit-III	How to design and proceed with a researchable topic pre-requisites, etc-	12 hrs.
		01 Credit
		20 Marks
Unit-IV	Statistical tools, methods and applications, etc------	12 hrs.
		01 Credit
		20 Marks
Unit-V	Report writing, rules, requirements, formats, etc-----------	06 hrs.
		0.5 Credit
		10 Marks
Total credit=04 ; Total Marks=80 UA+20 CA ; Total hrs=48		

Course/Paper-2 A (Information and Computer Technology)

Unit-I	General	06 hrs.
		0.5 Credit
		10 Marks
Unit-II		12 hrs.
		01 Credit
		20 Marks
Unit-III	Application part to research report presentation, etc----------	06 hrs.
		0.5 Credit
		10 Marks
Total Credit=02; Total Marks= 40 UA + 10 CA ; Total hrs=24		

Course/Paper- 2B (Research & Public Ethics) As per UGC guidelines.

Course Structure

- The course comprises of six modules listed in table below. Each module has 4-5 units.

Unit-I	Philosophy and Ethics	04 hrs.
Unit-II	Scientific Conduct	04 hrs.
Unit-III	Publication Ethics	04 hrs.
Unit-IV	Open Access Publishing	04 hrs.
Unit-V	Publication Misconduct	04 hrs.
Unit-VI	Databases and Research Metrics	04 hrs.
Total Credit=02 ; Total Marks= 40 UA + 10 CA ; Total hrs=24		

Course/Paper-3 (Advanced Knowledge in Core domain of concerned subjects)

Unit-I	Newly added knowledge to broad understanding of core domain subject, etc--------------	06 hrs.
		0.5 Credit
		10 Marks
Unit-II		24 hrs.
		2.5 Credit
		40 Marks
Unit-III		24 hrs.
		2.5 Credit
		40 Marks
Unit-IV		06 hrs.
		0.5 Credit
		10 Marks
Total Credit=06, Total Marks=100 UA + 50 CA, Total hrs=60		

Course/Paper-4 (Foundation and Philosophy of Research)

Unit-I	Study and discuss on "Need and development of a research that is different than superficial imaginations" in the content of the research topic the candidate has been approved for doing research. A objective wise conceptual understandings be submitted to the supervisor.	6 hrs.
		0.5 Credit
		20 Marks
Unit-II	How the concerned topic of research is Socially, scientifically and otherwise relevant? The student should discuss read and write a detailed note or give a write up to the supervisor.	24 hrs.
		2.0 Credit
		50 Marks
Unit-III	Doing review of literature from various sources and giving a write up on contemporary relevance of the research done by others in the select field to the supervisor.	24 hrs.
		2.0 Credit
		50 Mark
Unit-IV	Prepare a research article, presenting a paper at workshop /Conference /seminar, participation in research festivals, research programs, visits, interactions and reporting to supervisor of outcome/achievements from such activities.	06 hrs.
		1.5 Credit
		30 Marks
Total Credit=06, Total Marks =150 CA (Submitted by Guide)		