

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

GUIDELINES FOR PRE - Ph.D. COURSE WORK (12 Credits)

With reference to letter no. RTMNU/IIL/BOD/2022/484 dated 25/02/2022, a committee was constituted under the Chairmanship of Dean (Science and Technology) as per the decision of Board of Deans in its meeting dated 17/02/2022 (item no. 11) to prepare **Guidelines for Conducting Pre Ph.D.- Course Work. (Approved by BOD hold on dated 22.07.2022 vide item 60)** The guidelines were to be prepared as per direction no. 27 of 2021, clause no. 19. The said committee has formulated the guidelines for the recognized Places of Research.

The Place of Research should abide by the guidelines. Pre Ph.D. – Course Work will be of **12 credits**, divided into three parts as stated below:

A. Research Methodology Course Work (6 Credits)

1. This course work worth 6 credits is completely in online mode by using portal of SWAYAM/NPTEL.
2. The Scheme of Examination and Teaching in case of online courses is prescribed by the SWAYAM/NPTEL. One needs to register on the portal for the courses.
3. Annexure-I prescribes faculty wise list of courses with internal choice (s).
4. SWAYAM/NPTEL platform is indigenously developed by seven IITs and IISc together under the umbrella of Ministry of Education, Govt. of India. Website address of NPTEL is **www.nptel.ac.in** and SWAYAM has its website address as **swayam.gov.in**.
5. SWAYAM-NPTEL platform has its own assessment system consisting of CIE* (25 marks) and SEE# (75 marks). For successful completion, min. 10 marks in CIE and 30 in SEE are required. SEE is a proctored exam which is conducted at designated centres at national level. Nagpur is one of such centres for SWAYAM-NPTEL exam. But for PhD course work completion, candidate should score min. 55% marks (50% in case of reserve category) as given in the direction.
6. SWAYAM-NPTEL charges fee of Rs. 1000/- (500/- for SC/ST) for conducting proctored examination and certification.

**CIE: Continuous Internal Evaluation #SEE: Semester End Examination (Proctored Exam)*

B. Seminar (2 Credits)

1. Candidates are expected to deliver a presentation based on the literature survey/research topic. This presentation will be of 100 marks.
2. The presentation is to be made before the Research Advisory Committee (RAC), preferably during first progress seminar.
3. Minimum 25 relevant research papers from refereed journals must be elaborated in the presentation on literature survey.
4. Following Rubrics table shall be used for the evaluation of candidate:

Name of Place of Research:						
Department/Branch:						
SN	Name of Candidate	Registration no.	Parameters			
			Contents 30	Quality of References 50	Communication 20	Total 100

C. Program/Deptt. Specific Courses (4 Credits)

1. These courses worth 4 credits are to be offered by Head, Place of Research in consultation with the supervisor(s). Courses may be online or offline.
2. Single course of 4 credits (60 hrs) or two courses each of 2 credits (30 hrs) may be offered.
3. If offered offline; curriculum, scheme of examination and teaching, assessment instrument (s), evaluation methodology, time-table be prescribed before the course starts by the respective Place of Research.
4. If offline, paper must be of 100 marks (including CIE & SEE).
5. Place of Research shall prepare hand-outs/material and distribute to the participants at the end of course work (in case of offline).

General Guidelines:

1. The entire Pre Ph.D.- Course Work will be carried out under the guidance and monitoring of Head, Place of Research & Supervisors.
2. Head, Place of Research shall appoint a coordinator to look after day-to-day activities.
3. The Place of Research Work shall provide necessary infrastructure for conducting course work viz. the well-equipped classroom, computing facility, library, etc.
4. The Pre Ph.D. - Course Work Certificate (final)[@] should be obtained within one year from the date of issuance of letter of PhD registration by the University.
5. The attendance record (offline courses) of the candidates shall be maintained by the Place of Research. If the candidate fails to attend requisite contact hours in a course work, he/she may be permitted to make up for the backlog hours in similar course work organised by the Place of Research.
6. For the completion of course work candidate must score 55% marks or equivalent grade (see Annexure-II) in the examination of concerned course work.
7. The letter certifying the final score card must be signed by the supervisor & co-supervisor (if any) and shall be forwarded along with the attested copies of score cards obtained online (SWAYAM/NPTEL) and offline, by the Head, Place of Research to the PhD Cell of University. Refer Annexure-III for the format of final certificate.
8. Place of research shall maintain all the records of Pre PhD – Course Work for future reference.

@ The term "final" is used because the candidate is going to receive course wise certificates (online), taking all such certificates into consideration, final certificate worth 12 credits will be issued by Head, Place of Research.

Annexure-I

Course Detail – Faculty Wise

A. Faculty of Science and Technology

Type	SN	Course Code	Course Name	SME Name	Institute	Course Duration	Credits	To be conducted by
A	1	PDCWST1A	Research Methodology OR	Dr. Soumitro Banerjee	IISER Kolkatta	12 Weeks	3	NPTEL
		PDCWST1B	Qualitative Research Methods	Dr. A. Malik	IIT Kharagpur	12 Weeks	3	NPTEL
	2	PDCWST2A	Introduction to Research OR	Dr. Pratap Haridos	IIT Madras	08 Weeks	2	NPTEL
		PDCWST2B	Roadmap for Patent Creation	Dr. Gauri Garghate	IIT Khargpur	08 Weeks	2	NPTEL
	3	PDCWST3A	Introduction to Professional Scientific Communication OR	Dr. Ganesh	IIT Kanpur	04 Weeks	1	NPTEL
		PDCWST3B	Patent Drafting for Beginners OR	Dr. Firoz Ali	IIT Madras	04 Weeks	1	NPTEL
		PDCWST3C	Effective Writing	Dr. Binod Mishra	IIT Roorkee	04 Weeks	1	NPTEL
B	4	PDCWST4	Seminar	Based on Literature Search/Research Topic			2	Place of research
C	5	PDCWST5	Program Specific Course(s)	To be decided by Head Place of Research (on/off line)			4	Place of research

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B. Faculty of Commerce and Management

Type	SN	Course Code	Course Name	SME Name	Institute	Course Duration	Credits	To be conducted by
A	1	PDCWCM1A	Research Methodology OR	Dr. Soumitro Banerjee	IISER Kolkatta	12 Weeks	3	NPTEL
		PDCWCM1B	Research Methodology	Dr. G. S. Bajpai	NLU Delhi	15 Weeks	3	SWAYAM
	2	PDCWCM2A	Business Research Methods OR	Dr. G. Parmeshwari	PES College	12 Weeks	3	SWAYAM
		PDCWCM2B	Research Methodology and Statistical Analysis OR	Dr. Subodh Kesharwani	IGNOU	16 Weeks	3	SWAYAM
		PDCWCM2C	Data Analysis for Social Sciences	Dr. B. Rajashekhar	HRDC, University of Hyderabad	16 Weeks	3	SWAYAM
B	3	PDCWCM3	Seminar	Based on Literature Search			2	Place of research
C	4	PDCWCM4	Program Specific Course(s)	To be decided by Head Place of Research (on/off line)			4	Place of research

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C. Faculty of Humanities

Type	SN	Course Code	Course Name	SME Name	Institute	Course Duration	Credits	To be conducted by
A	1	PDCWHU1A	Research Methodology OR	Dr. Soumitro Banerjee	IISER Kolkatta	12 Weeks	3	NPTEL
		PDCWHU1B	Qualitative Research Methods	Dr. A Malik	IIT Khargpur	12 Weeks	3	NPTEL
	2	PDCWHU2A	Introduction to Research OR	Dr. Pratap Haridosa	IIT Madras	08 Weeks	2	NPTEL
		PDCWHU2B	Philosophical Foundation of Social Research OR	Dr. S. Mallick	IIT Guwahati	08 Weeks	2	NPTEL
		PDCWHU2C	Development Research Methods	Dr. R. Bedamatta	IIT Guwahati	08 Weeks	2	NPTEL
	3	PDCWHU3A	Effective Writing OR	Dr. Binod Mishra	IIT Roorkee	04 Weeks	1	NPTEL
		PDCWHU3B	Research Writing (General)	Dr. Dr. Anuradha Malick	IIT Kharagpur	04 Weeks	1	NPTEL
B	4	PDCWHU4	Seminar	Based on Literature Search			2	Place of research
C	5	PDCWHU5	Program Specific Course(s)	To be decided by Head Place of Research (on/off line)			4	Place of research

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D. Faculty of Interdisciplinary Studies

Type	SN	Course Code	Course Name			Course Duration	Credits	To be conducted by
A	1	PDCWIS1A	Research Methodology OR			12 Weeks	3	NPTEL/ Swayam
		PDCWIS1B	Qualitative Research Methods OR any other similar course through swayam			12 Weeks	3	NPTEL/ Swayam
	2	PDCWIS2A	Introduction to Research OR			08 Weeks	2	
		PDCWIS2B	Philosophical Foundation of Social Research OR			08 Weeks	2	NPTEL
		PDCWIS2C	Development Research Methods OR any other similar course through			08 Weeks	2	NPTEL
	3	PDCWIS3A	Effective Writing OR			04 Weeks	1	NPTEL
		PDCWIS3B	Research Writing (General) OR any other similar course through swayam			04 Weeks	1	NPTEL
B	4	PDCWIS4	Seminar	Based on Literature Search			2	Place of research
C	5	PDCWIS5	Program Specific Course(s)	To be decided by Head Place of Research (on/off line)			4	Place of research

NOTE : Any other similar courses of research methodology with minimum 6 credits & 24 weeks duration through SWAYAM. (This note is applicable to the faculty of Interdisciplinary Studies only).

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Statement of Marks

(Pre – Ph.D. Course Work – Academic Session 20----20----)

Name of Candidate: -----

Roll Number: -----

SN	Course Name	Course Code	Total Marks	Marks Obtained	Grade/GP	Credits	Remarks/ GPV
A	Research Methodology	PDCWST1	75			3	PASS/FAIL
		PDCWST2	50			2	
		PDCWST3	25			1	
B	Seminar	PDCWST4	50			2	
C	Program Specific Course	PDCWST5	50			2	
		PDCWST6	50			2	
Total			300			12	

- 1 credit is equal to 25 marks.

Aggregate Percentage: -----

Supervisor

Co-Supervisor

Head, Place of Research

Grade Conversion Table

Sr. No.	Letter Grade	Grade Point	Range of Marks obtained out of 100 or equivalent fraction	Performance
1	O	10	Above 90 upto 100	Outstanding
2	A+	9	Above 80 upto 90	Excellent
3	A	8	Above 70 upto 80	Very Good
4	B+	7	Above 60 upto 70	Good
5	B	6	55 to 60	Pass
6	F	0	Below 55	Fail
7	AB	0	Absent	Absent