



# महाराजा सुहेल देव राज्य विश्वविद्यालय, आजमगढ़

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पत्रांक-१४४२/कु०का/२०२४

दिनांक-०४/०२/२०२४

सेवा में,

समस्त संयोजक गण,  
समस्त विषय,  
महाराजा सुहेल देव राज्य विश्वविद्यालय,  
आजमगढ़।

विषय- प्री० पी-एच०डी० कोर्सवर्क पाठ्यक्रम के सम्बन्ध में।

महोदय,

आपको सादर अवगत कराना है कि पी-एच०डी० में प्रवेश के उपरान्त प्री० पी-एच०डी० कोर्सवर्क के निमित्त समस्त विषयों में पाठ्यक्रम की आवश्यकता है। अतः समस्त विषय के संयोजक महानुभावों से अनुरोध है कि दिनांक 12.02.2024 तक अपने-अपने विषय के पाठ्यक्रम नई शिक्षा नीति-2020 में दिये गये निर्देशानुसार तैयार कर अधोहस्ताक्षरी कार्यालय में उपलब्ध कराने का कष्ट करें, जिससे दिनांक 14.02.2024 को होने वाली विद्या परिषद् की बैठक में अनुमोदन कराया जा सके।

संलग्नक-यथोक्त।

भवदीय

कुलसचिव

03.02.24

प्रतिलिपि-निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. निजी सचिव कुलपति, मा० कुलपति जी के सादर अवलोकनार्थ।
2. प्रभारी वेबसाइट, महाराजा सुहेल देव राज्य विश्वविद्यालय, आजमगढ़।

कुलसचिव



# Veer Bahadur Singh Purvanchal University, Jaunpur U.P.

Template for designing the Syllabus of Pre-Ph.D. course work

As per NEP-2020 guidelines

With effective from academic session 2022-23

[BoS shall decide POs, PSOs, and COs, and their mapping, the course code (for example C010506T: Commerce/Commerce/Fifth semester/ 6th paper/ Research Project), subject, course title, no of lecture hours as per the content in each unit, suggested readings etc.....as per the NEP-2020. For university faculty codes, subject codes in each faculty, a list is also attached as annexure 1.]

**Subject prerequisites:** To study the subject .....

**Programme outcomes (POs):** .....

PO1:...

PO2:.....

PO3:...

..... (Number of POs can vary from subject to subject)

**Programme specific outcomes (PSOs):**.....

PSO1:...

PSO2:.....

PSO3:...

..... (Number of PSOs can vary from subject to subject)

(Concerned BoS of the subject shall map the POs, PSOs and COs)

List of all papers of Pre-Ph.D. course work or Post graduate diploma in Research (PGDR)

Year	Sem	Course Code	Course Title	Theory/ Research	Credit	Max. Marks
6	XI	Decide as per NEP -2020	Core subject paper 1	Theory	6	100 [25(CIE)+75(UE)]
		Decide as per NEP -2020	Core subject paper 2	Theory	6	100 [25(CIE)+75(UE)]
		Decide as per NEP -2020	Research Methodology, Research Publication Ethics and Computer Applications	Theory	4	100 [25(CIE)+75(UE)]
		Decide as per NEP -2020	Research Project	Research	-	100 [25(CIE)+75(UE)]

**Credit system:**

- A four (4) credit theory course/paper will have four Lectures/periods (of one hour) in a week. In one full semester the course will be covered in 60 Lectures.
- Similarly, a six (6) credit theory course/paper will have six Lectures/periods (of one hour) in a week. In one full semester the course will be covered in 90 Lectures.

**Continuous Internal Evaluation (CIE) of 25 marks:**

- Continuous internal evaluation will be performed by the teacher/ course coordinator concerned.
- CIE shall be 25% of total assessment in a Theory paper and research project.
- 25 marks shall be distributed as 5 marks for attendance, 5 marks for presentation and assignment and remaining 15 marks for class test.

**Marking system:**

- All papers will have a total maximum mark of 100, including both CIE and University Examination (UE). Maximum marks of 25 will be allotted to CIE and 75 to UE in a theory paper/ research project.
- The CIE of the research project shall be evaluated by the research supervisor and co-supervisor (if any).
- 75 marks of **research project** shall be distributed as 50 marks (project work and presentation) and a viva voce of 25 marks.
- The evaluation (Max Marks 75 UE) of the research project shall be done by internal examiner/s (Supervisor and Co-supervisor (if any)) and one external examiner appointed by the University.

**Research Project Submission:**

- The evaluated research project report in two sets of hard copy (spiral binding) must be prepared. One copy of it shall be submitted to the university if it demands. A second copy of the evaluated research project report must be in the records of the college/research centre.
- The format of university Ph.D. thesis writing guidelines can be used as format of Research project writing guidelines.

<b>Programme:</b> Post graduate diploma in Research (PGDR)	<b>Year:</b> six (6)	<b>Semester:</b> XI
<b>Subject:.....(to be filled by BoS)</b>		
<b>Course Code:</b> __1101T (Facultycode/subjectcode/1101T)	<b>Course Title:</b> Core subject paper 1 (to be filled by BoS)	
<b>Course Outcomes ( COs)</b> CO1:..... CO2:..... CO3:..... Number of Cos shall be decided by BoS		
<b>Credits:</b> 6	<b>Core Compulsory</b>	
<b>Max. Marks:</b> 25 (CIE) + 75(UE)	<b>Min. Passing marks:</b> 55	
<b>Total number of lectures:</b> Lectures-Tutorial-Practical (6 hours in a week) L-T-P: 6-0-0 (90 hr#)		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lecture Hrs.</b>
I		15
II		15
III		15
IV		18
V		15
VI		12

# One credit is equivalent to 15 lecture hours as per NEP norms in theory classes. Number of hours in each unit 15 hours may vary as per the content of the unit.

**Suggested Readings:**

1. Author Sir name, Initials, "Book Title", Publisher name, City/country of publication, Year of publication. Edition No. if any.

2. ....

3. Suggestive digital platforms web links

<https://www.>

Suggested Continuous Evaluation Methods: .....

Course prerequisites: To study this course, a student must have had the subject .....

Suggested equivalent online courses: .....

Further Suggestions: .....



<b>Programme:</b> Post graduate diploma in Research (PGDR)		<b>Year:</b> six (6)	<b>Semester:</b> XI
<b>Subject:.....(to be filled by BOS)</b>			
<b>Course Code:</b> __1102T (Facultycode/subjectcode/1102T)		<b>Course Title:</b> Core subject paper 2 (to be filled by BOS)	
<b>Course Outcomes ( COs)</b> CO1:..... CO2:..... CO3:..... Number of Cos shall be decided by BoS			
<b>Credits:</b> 6		<b>Core Compulsory</b>	
<b>Max. Marks:</b> 25 (CIE) + 75(UE)		<b>Min. Passing marks:</b> 55	
<b>Total number of lectures:</b> Lectures-Tutorial-Practical (6 hours in a week) L-T-P: 6-0-0 (90 hr#)			
<b>Unit</b>	<b>Topics</b>	<b>No. of Lecture Hrs.</b>	
I		15	
II		15	
III		15	
IV		18	
V		15	
VI		12	

# One credit is equivalent to 15 lecture hours as per NEP norms in theory classes. Number of hours in each unit 15 hours may vary as per the content of the unit.

#### Suggested Readings:

1. Author Sir name, Initials, "Book Title", Publisher name, City/country of publication, Year of publication. Edition No. if any.

2. ....

3. Suggestive digital platforms web links

<https://www.>

Suggested Continuous Evaluation Methods: .....

Course prerequisites: To study this course, a student must have had the subject .....

Suggested equivalent online courses: .....

Further Suggestions: .....

<b>Programme:</b> Post graduate diploma in Research (PGDR)	<b>Year:</b> six (6)	<b>Semester:</b> XI
<b>Subject:.....(to be filled by BOS)</b>		
<b>Course Code:</b> __1103T <b>(Facultycode/ subjectcode/ 1103T)</b>	<b>Course Title:</b> Research Methodology, Research Publication Ethics and Computer Applications	
<b>Course Outcomes ( COs)</b> <b>CO1:</b> With the help of this course, students will be able to decide the research field, topic, design, and pros and cons of research, sampling, and data collection techniques. <b>CO2:</b> The student will be able to understand the research process and acquire the skill of writing research articles. <b>CO3:</b> The course will enable you to execute the best practices, morals, and ethical values in scientific conduct and avoid publication misconduct. <b>CO4:</b> With the help of this course, students will be able to learn about the standards of journals for good-quality publications of their research work. <b>CO5:</b> After this course, the students will be able to learn how to use computers and different application software for manuscript writing. <b>CO6:</b> This course will enable the students to learn about reference management and the maintenance of academic integrity using scientific tools. They will be familiar with the protection of the machines from computer hazards.		
<b>Credits:</b> 4	<b>Core Compulsory</b>	
<b>Max. Marks:</b> 25 <b>(CIE) + 75(UE)</b>	<b>Min. Passing marks:</b> 55	
<b>Total number of lectures:</b> Lectures-Tutorial-Practical (4 hours in a week) L-T-P: 4-0-0 <b>(60 hr)</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lecture Hrs.</b>
<b>I</b>	<b>Research Methodology</b> Definition, and Objectives, Motivation and Significance of Research, Types of Research, Truth and Facts of Research, Similarity and Contrast in Literary Research and Scientific Research, Research and Criticism, Research Problem and Research Design, Sampling Design and Methods of Data Collection.	<b>12</b>
<b>II</b>	<b>Research standards:</b> Layout of the Research Report, Research Process: subject Selection, Outline of the Research, Review of Literature, Material Collection;	<b>12</b>

	Testing and Classification, Analysis, Discussion and Conclusions, Precautions in Writing Synopsis/Research Paper/Thesis/Research Report.	
III	<b>Philosophy, Ethics, Scientific Conducts and misconduct</b>  Moral Philosophy, Nature of Moral Judgments and Reactions, Publication Ethics, Best Practices/Standards Setting Initiatives and Guidelines: Committee on Publication Ethics (COPE), World Association of Medical Editors (WAME) etc., Intellectual Honesty and Research Integrity: Falsification, Fabrication and Plagiarism (FFP), Open Access Publishing, and Publication Misconduct.	08
IV	<b>Databases and Research Metrics</b> 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, i-10 Index, and Altimetric.	08
V	<b>Fundamentals of Computers and application Softwares</b> Types Of Computers, Computer Peripherals and internal component, Types of Operating Systems, Web Browser, Web Search Engine, Spreadsheet Processing, Presentation (MS PowerPoints Preparation or Beamer or Libre Office (Optional), Project/Thesis/Report writing, Using MS-Word or LaTeX or LibreOffice documentation style Labelling, References Style, Footnotes etc.	12
VI	<b>Scientific Softwares</b> Use of Reference Management Software Like Mendeley, Zotero, Reference Manager, Endnote, Authorea Etc. Anti-Plagiarism Software Like Turnitin, iAuthenticate, Urkund, Ebooks and Virtual Library, UGC-Infonet, Computer Hazards and Security	08

**Suggested Readings:**

1. C.R. Kothari, *Research methodology Methods and Techniques*, 4<sup>th</sup> Edition, New Age International (P) Ltd. Publisher, 2014.
2. W. Creswell, *Research Design, Qualitative, Quantitative and mixed method approaches*, 3rd Edition, Sage Publications, Inc.
3. D.B. Resnik, (2011) What is ethics in research & Why is it important. National institute of Environmental Health Science, 1-10 Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>

4. Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019), ISBN:978-81-939482-1-7.  
[https://www.insaindia.res.in/pdf/Ethics\\_Book.pdf](https://www.insaindia.res.in/pdf/Ethics_Book.pdf)
  5. Reema Thareja (2019) Fundamentals Of Computers (2<sup>nd</sup> Edition), Oxford University Press
  6. Microsoft Office 365 : A complete Guide to Master Word, Excel, and PowerPoint 365 for Beginners, Matt Vic
  7. Leslie Lamport, LaTeX, A Document Preparation System, 2<sup>nd</sup> Edition, Addison-Wesley Professional Publisher, July, 1994.
  8. Latex tutorials <https://www.tug.org/twg/mactex/tutorials/ltxprimer-1.0.pdf>
  9. Libre Office tutorial: [www.documentation.libreoffice.org/en/english-documentation](http://www.documentation.libreoffice.org/en/english-documentation)
- Suggested equivalent online courses: <https://epgp.inflibnet.ac.in/>



<b>Programme:</b> Post graduate diploma in Research (PGDR)	<b>Year:</b> six (6)	<b>Semester:</b> XI
<b>Subject:.....(to be filled by BOS)</b>		
<b>Course Code:</b> - -1104R (Facultycode/subjectcode/ 1104R)	<b>Course Title:</b> Research Project (to be filled by BOS)	
<b>Course Outcomes (COs)</b> CO1:..... CO2:..... CO3:..... Number of COs shall be decided by BoS		
<b>Credits:</b> Non -Credit	<b>Core Compulsory</b>	
<b>Max. Marks:</b> 25 (CIE) + 75(UE)	<b>Min. Passing marks:</b> 55	

**Suggested Readings:** ( To be suggested by Concerned BoS)

**Suggested equivalent online courses:** ( To be suggested by Concerned BoS)

**Further Suggestions:** ( To be suggested by Concerned BoS)

**The format of the question paper and evaluation will be as follows –**

The duration of each question paper is 3 hours

<b>Types of Question</b>	<b>Total No of Questions</b>	<b>Questions to be Attempted</b>	<b>Maximum Marks = 75 (UE) (Questions x marks)</b>
Very Short Answer Type Questions (50 words)	10	10	10 x 2 = 20
Short Answer Type (200 words)	8	5	5 x 7 = 35
Longs Answer Type (500 words)	4	2	2 x 10 = 20
			= 75 (Maximum Marks)

### 10-point grading system for evaluation of the Pre-Ph.D. course work

As per the UP GOs 1567/सत्तर-3-2021-16 (26)/2011 TC dated 13 July 2021, 401/सत्तर-3-2022, dated 09 Feb. 2022, and 1032/सत्तर-03-2022-08(35)/2020, dated 20 April 2022 regarding NEP-2020, the grading system for the Pre-Ph.D. course work shall be followed as given in table -1

Table-1

Letter Grade	Details	Limit of Marks	Grade Point
O	Outstanding	91-100	10
A+	Excellent	81-90	9
A	Very Good	71-80	8
B+	Good	61-70	7
B	Above Average	55-60	6
F	Fail	<55	0
AB	Absent	Absent	0
Q	Qualified		
NQ	Not Qualified		

In pre-Ph.D. course work, there is a mandatory research project that is qualifying in nature. This research project shall be a **non-credit course**. The letter grade for the research project will be Q or NQ. The grade of research project will not be included in the computations of the CGPA.

### Computation of CGPA:

Calculations for SGPA and CGPA shall be followed as given table 2:

Table 2

For $j^{\text{th}}$ Sem. $\text{SGPA } (S_j) = \frac{\sum C_i \cdot G_i}{\sum C_i}$	Here: $C_i$ = number of credits of the $i^{\text{th}}$ course in the $j^{\text{th}}$ semester $G_i$ = grade point scored by the student in the $i^{\text{th}}$ course in $j^{\text{th}}$ semester
$\text{CGPA} = \frac{\sum C_j \cdot S_j}{\sum C_j}$	Here: $S_j$ = SGPA of the $j^{\text{th}}$ semester $C_j$ = total number of credits in the $j^{\text{th}}$ semester

### Allocation of CGPA Into Division:

The allocation of CGPA into division in pre-Ph.D. course work follows as given in Table 3:

Table 3

Division	CGPA
First	Greater than or equal to 6.5 and less than or equal to 10
Second	Greater than or equal to 5.5 and less than 6.5

## Annexure -1



### Department of Higher Education U.P. Government, Lucknow

#### Code list

National Education Policy-2020  
Common Minimum Syllabus for all U.P. State Universities

#### Notes:

1. The scheme and titles of papers in all the semesters in all the state/private Universities and colleges, at UG, PG and Ph.D. levels must be strictly identical. This is a must for availing the credit transfer from one University to another. This applies to all the subjects offering major courses/papers.
2. The coding scheme for courses/papers should be identical in all state/private Universities and colleges for uniformity.

#### Course Codes

A Eight alpha-numeral (letter + digits) code is to be assigned to each course/paper.  
Description of the code is as follows:

1. First position – Letter – Faculty code
2. Second & third position- two digits – Subject number in chosen faculty
3. Fourth & fifth position – two digits – Semester number
4. Sixth & seventh positions – two digits – Course/paper number
5. Eighth position – Letter – Type of paper – Theory (T), Practical (P), Research project/ Field Work/ Industrial Training/ Survey Work/ Internship (R)

Table of Faculty Codes

Arts	Science	Commerce	Agriculture	Education	Management	Law
A	B	C	D	E	F	G
Co-curricular		Vocational				
H		I				

#### Examples:

- (a) A060302T: Arts/Political Science/Third semester/ 2<sup>nd</sup> paper/ Theory
- (b) B030201T: Science/Mathematics/Second semester/ 1<sup>st</sup> paper/ Theory
- (c) B010401P: Science/Physics/Fourth semester/ 1<sup>st</sup> paper/ Practical
- (d) C010506T: Commerce/Commerce/Fifth semester/ 6<sup>th</sup> paper/ Research Project
- (e) F020504P: Management/Finance/Fifth semester/4<sup>th</sup> paper/Practical



**Tables for Subject codes in Each Faculty**

**Faculty: Arts**

**Faculty Code: A**

S.No.	Subject/Program	Program	Subject Code
1	Hindi		
2	Sanskrit	B.A.+M.A.	01
3	Urdu	B.A.+M.A.	02
4	English	B.A.+M.A.	03
5	History	B.A.+M.A.	04
6	Political Science	B.A.+M.A.	05
7	Sociology	B.A.+M.A.	06
8	Economics	B.A.+M.A.	07
9	Psychology	B.A.+M.A.	08
10	Philosophy	B.A.+M.A.	09
11	Geography	B.A.+M.A.	10
12	Defense and Strategic Studies	B.A.+M.A.	11
13	Home science	B.A.+M.A.	12
14	Fine Art	B.A.+M.A.	13
15	Ancient history	B.A.+M.A.	14
16	Social Work	B.A.+M.A.	15
17	Anthropology	B.A.+M.A.	16
18	Library and information Science	B.A.+M.A.	17
19	BLIS	B.A.+M.A.	18
20	MLISC	B.A.+M.A.	19
21	Drawing and Painting or Visual Arts or Arts	B.A.+M.A.	20
22	ADVERTISING SALES PROMOTION AND SALES MANAGEMENT	B.A.+M.A.	21
23	ARCHAEOLOGY & MUSEOLOGY	B.A.+M.A.	22
24	EARLY CHILDHOOD CARE AND EDUCATION	B.A.+M.A.	23
25	FOREIGN TRADE	B.A.+M.A.	24
26	HUMAN RIGHTS	B.A.+M.A.	25
27	JOURNALISM	B.A.+M.A.	26
28	LOK PRASASHAN	B.A.+M.A.	27
29	MAHILA ADDHYAYAN25	B.A.+M.A.	28
30	MUSIC (SITAR)	B.A.+M.A.	29
31	MUSIC (TABLA)	B.A.+M.A.	30
32	MUSIC (VOCAL)	B.A.+M.A.	31
33	MUSIC (DANCE)	B.A.+M.A.	32
34	PERFORMING ART	B.A.+M.A.	33
35	OFFICE MANAGEMENT AND SECRETARIAL PRACTICE	B.A.+M.A.	34
36	ARABIC	B.A.+M.A.	35
37	FRENCH	B.A.+M.A.	36
38	PUNJABI	B.A.+M.A.	37
		B.A.+M.A.	38



39	SINDHI BHASHA	B.A.+M.A.	39
40		B.A.+M.A.	40

**Faculty: Science**

**Faculty Code: B**

S.No.	Subject/Program	Program	Subject Code
1	Physics	B.Sc.+M. Sc.	01
2	Chemistry	B.Sc.+M. Sc.	02
3	Mathematics	B.Sc.+M. Sc.	03
4	Botany	B.Sc.+M. Sc.	04
5	Zoology	B.Sc.+M. Sc.	05
6	Statistics	B.Sc.+M. Sc.	06
7	Computer Science	B.Sc.+M. Sc.	07
8	Microbiology	B.Sc.+M. Sc.	08
9	Geology	B.Sc.+M. Sc.	09
10	BIOTECHNOLOGY	B.Sc.+M. Sc.	10
11	BIOCHEMISTRY	B.Sc.+M. Sc.	11
12	COMPUTER APPLICATION	B.Sc.+M. Sc.	12
13	GENETICS & GENOMIC	B.Sc.+M. Sc.	13
14	ELECTRONICS	B.Sc.+M. Sc.	14
15	ENVIRONMENTAL SCIENCE	B.Sc.+M. Sc.	15
16	INDUSTRIAL FORESTRY	B.Sc.+M. Sc.	16
17	INDUSTRIAL MICROBIOLOGY	B.Sc.+M. Sc.	17
18	INFORMATION TECHNOLOGY	B.Sc.+M. Sc.	18
19	INDUSTRIAL CHEMISTRY	B.Sc.+M. Sc.	19
20	INSTRUMENTATION	B.Sc.+M. Sc.	20
21	SEED TECHNOLOGY	B.Sc.+M. Sc.	21

**Faculty: Commerce**

**Faculty Code: C**

S.No.	Subject/Program	Program	Subject Code
1	Commerce	B.Com.+M. Com.	01
2			02
3			
4			
5			
6			

**Faculty: Agriculture****Faculty Code: D**

S.No.	Subject/Program	Program	Subject Code
1	Agriculture		
2	Genetics and Plant Breeding	B.Sc.(Ag.)+M.Sc. (Ag.)	01
3	Plant Protection	B.Sc.(Ag.)+M.Sc. (Ag.)	02
4		B.Sc.(Ag.)+M.Sc. (Ag.)	03
5			
6			

**Faculty: Education****Faculty Code: E**

S.No.	Subject/Program	Program	Subject Code
1	Education	B.A.+M.A.	01
2	Physical Education	B.A.+M.A.	02
3	Integrated B.A.B.Ed.	B.A.B.Ed.	03
4	Integrated B.Sc.B.Ed.	B.Sc.B.Ed.	04
5	Integrated B.Com.B.Ed.	B.Com.B.Ed.	05
6	B.Ed.	B.Ed.	06
7	M.Ed.	M.Ed.	07
8	Physical Education	B.P.Ed.+M.P.Ed.	08

**Faculty: Management****Faculty Code: F**

S.No.	Subject/Program	Program	Subject Code
1	B.B.A.+M.B.A.	B.B.A.+M.B.A.	01
2	M.B.A. Finance		02
3	M.B.A. Marketing		03
4			
5			
6			

**Faculty: Law****Faculty Code: G**

S.No.	Subject/Program	Program	Subject Code
1	Law		
2	Integrated B.A.L.L.B.	B.A.+M.A.	01
3	Integrated B.Sc.L.L.B.	B.A.L.L.B.	02
4	Integrated B.Com.L.L.B.	B.Sc.L.L.B.	03
5	L.L.B.	B.Com.L.L.B.	04
6	L.L.M.	L.L.B.	05
		L.L.M.	06

**Faculty: Vocational Studies****Faculty Code: V**

S.No.	Subject/Program	Program	Subject Code
1	Airline, Tourism and Hospitality Management	B.Voc+M.Voc	01
2	Medical Lab and Molecular Diagnostic Technology	B.Voc+M.Voc	02
3			03
4			04
5			05
6			06