



# UNIVERSITY OF RAJASTHAN JAIPUR

Minutes of the special meeting of the Academic Council held on 19.06.2023 at 11:15 A.M. in the Vice-Chancellor's Secretariat, University Campus, Jaipur.

## PRESENT :

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| Prof. Rajeev Jain                 | Vice-Chancellor<br>(In the Chair) |
| 2. Prof. Abhay Upadhyaya          |                                   |
| 3. Prof. Ashok Agarwal            |                                   |
| 4. Prof. Anurag Sharma            |                                   |
| 5. Prof. Asha Jain                |                                   |
| 6. Dr. Asha Saxena                |                                   |
| 7. Prof. Bela Kothari             |                                   |
| 8. Prof. Bindu Jain               |                                   |
| 9. Prof. Dharmendra Singh Chouhan |                                   |
| 10. Prof. Deepa S.P.Mathur        |                                   |
| 11. Prof. Gopal Singh             |                                   |
| 12. Dr. Gagan B. Khanna           |                                   |
| 13. Prof. I.U. Khan               |                                   |
| 14. Prof. Krishna Gupta           |                                   |
| 15. Prof. Manju Singh             |                                   |
| 16. Prof. Mahipal Singh Sihag     |                                   |
| 17. Prof. Meenakshi Jain          |                                   |
| 18. Dr. Mamta Goyal               |                                   |
| 19. Prof. Mamta Jain              |                                   |
| 20. Dr. Mudit Gupta               |                                   |
| 21. Prof. Nand Kishore Pandey     |                                   |
| 22. Prof. Nasera Basri            |                                   |
| 23. Prof. Naresh Kumar            |                                   |
| 24. Prof. Nimali Singh            |                                   |
| 25. Prof. Neelima Gupta           |                                   |
| 26. Dr. Neekee Chaturvedi         |                                   |
| 27. Prof. O.P Sharma              |                                   |
| 28. Dr. Pramila Dubey             |                                   |
| 29. Prof. Pankaj Nagar            |                                   |
| 30. Prof. Pradeep Sharma          |                                   |
| 31. Prof. R.K.Singhal             |                                   |
| 32. Prof. Rajesh Kumar Poonia     |                                   |
| 33. Prof. Rameshwar Jat           |                                   |

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34. Prof. Rashmi Jain
  35. Prof. Rekha Vijayvargia
  36. Dr. Rajesh Kumar Sharma
  37. Prof. S.L. Sharma
  38. Dr. Sanjula Thanavi
  39. Prof. S.K.Gupta (Dean, Science)
  40. Prof. Seema Srivastava
  41. Dr. Santosh Gupta
  42. Prof. Satya Narayan Dolia
  43. Dr. Shashi Upadhyay
  44. Prof. Sunita Agarwal
  45. Prof. Sunita Agarwal
  46. Prof. S.K.Gupta
  47. Prof. Urvashi Sharma
  48. Prof. Vandana Kalla
  49. Prof. Vijay Kumar
  50. Dr. Yadu Sharma
  51. Prof. G.P. Singh (Special Invitee)
- Smt. Neelima Takshak

**Registrar**

At the outset, the Vice-Chancellor welcomed all members present in the meeting of the Academic Council.

**Agenda Item No.01**

**To consider** the recommendation made by the committee held on 02.06.2023 regarding to implement NEP-2020 for the academic session 2023-24.

**Resolution :**

विश्वविद्यालय द्वारा बनाई गई समिति/उप-समिति द्वारा प्रस्तुत ड्राफ्ट को सभी BOS/COC/Adhoc COC के संयोजक को एक ड्राफ्ट UGC Curriculum and Framework for Under Graduate Programmes Under NEP-2020 के तहत Three Year Under Graduate Programme/Four Year Under Graduate Programmes in Faculties of Arts/Commerce/Fine Arts/Science/Social Science का Part-I के तहत दो पाठ्यक्रम तैयार करने हेतु दिनांक 12-06-2023 को भिजवाया गया था तथा सभी से आग्रह किया गया था कि उपरोक्त ड्राफ्ट के तहत पाठ्यक्रम तैयार कर BOS की बैठक से पारित करवाकर भिजवावे किन्तु इसी बीच राज्य सरकार से NEP-2020 को अकादमिक सत्र 2023-24 से लागू किये जाने के सम्बन्ध में प्राप्त मॉडल (क्रमांक पं.18(10) शिक्षा-4/2020 दिनांक

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08-06-2023) दृष्टान्त स्वरूप कुछ टेम्पलेट और दिशा-निर्देश प्राप्त हुये थे उनको भी अवलोकनार्थ सभी BOS/COC/Adhoc COC के संयोजको को भिजवाये गये थे।

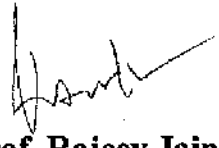
अकादमिक परिषद् में उपरोक्त के सम्बन्ध में विस्तृत रूप से चर्चा की तथा सर्वसम्मति से यह निर्णय लिया गया कि अकादमिक सत्र 2023-24 से स्नातक स्तर पर प्रथम सेमेस्टर से सेमेस्टर पद्धति/सी.बी.सी.एस. पद्धति संघटक एवं सम्बद्धता प्राप्त महाविद्यालयों (मॉडल परिशिष्ट-‘अ’) पर लागू होगी।

संयोजक BOS/COC/Adhoc COC सम्बन्धित विषयों के पाठ्यक्रम तैयार करके दिनांक 05-07-2023 तक उप-कुलसचिव (शैक्षणिक-प्रथम) को भिजवाया जाना सुनिश्चित करेंगे।

**Action : Academic-I Section**

The meeting ended with a vote of thanks to the chair.

  
(Neelima Takshak)  
REGISTRAR

  
(Prof. Rajeev Jain)  
VICE-CHANCELLOR

**FOUR-YEAR UNDERGRADUATE PROGRAMME**  
**in Faculties of Arts/ Commerce/Fine Arts /Science / Social Science**

AMENDED  
परिशिष्ट (अ)

**As per**  
**UGC Curriculum and Credit Framework for Undergraduate Programmes**  
**under NEP 2020**

**Medium of instruction: Hindi/English**

**w.e.f. Academic Session 2023-24.**



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**UNIVERSITY OF RAJASTHAN, JAIPUR**

20/6/2023

## Minimum Credit Requirements to Award Degree Under Each Category –

S. No.	Broad Category of Course	Minimum Credit Requirement	
		3 Year UG	4 Year UG
1.	Major (Core) (MJR)	72	96
2.	Minor (Stream) (MNR)	36	50
3.	Multidisciplinary (MDM)	12	12
4.	Ability Enhancement Courses (AEC)	08	08
5.	Skill Enhancement Course (SEC)	10	10
6.	Value Added Course Common for all UG (VAC)	08	08
7.	Summer Internship (IC)	04	04
8.	Research Project/ Dissertation (PRJ)	-	12
	<b>Total</b>	<b>150</b>	<b>200</b>

**Note: Honours students not undertaking research will do 3 courses for 12 credits in lieu of a research project / Dissertation.**

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# Undergraduate Programme Framework

Year	Semester	Subject 1/ Discipline 1	Subject 2/ Discipline 2	Subject 3/ Discipline 2	Subject 4/ Discipline 2	Ability Enhancement Courses (AEC)	Skill Enhancement Courses (SEC)	Value Added Courses common for all UG	Summer internship	Research Project / Dissertation	Minimum Credit (for the Semester)	Cumulative minimum credit required for certificate/diplo ma/degree
		Major	Major	Major/Minor	Multidisciplinary	AEC	SEC	VAC				
		Own Faculty	Own Faculty	Own Faculty/ Other Faculty	Other Faculty							
I Year	I	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2		Hindi (4)	SEC1 (2)	VAC1 (2)	(4) credit required for Exit		26	52(+4)
	II	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2		English (4)	SEC2 (2)	VAC2 (2)		26		
UG Certificate		Students who opt to exit after completion of the first year and have secured 48 credits will be awarded a UG certificate if, in addition, they complete one internship of 4 credits during the summer vacation of the first year.										52(+4)
II Year	III	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(4) Th - 4 or Th - 2 + Pr - 2		SEC3 (2)	VAC3 (2)	(4) credit required for Exit		26	52(+4)
	IV	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(4) Th - 4 or Th - 2 + Pr - 1		SEC4 (2)	VAC4 (2)		26		
UG Diploma		Students who opt to exit after completion of the second year and have secured 96 credits will be awarded the UG diploma if, in addition, they complete one internship of 4 credits during the summer vacation of the first year/second year.										104(+4)
III Year	V	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(4) Th - 4 or Th - 2 + Pr - 1				(4) credit required for Exit		22	42(+4)
	VI	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 4 or Th - 2 + Pr - 2			SEC5 (2)			20		
UG Degree		Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major discipline after successful completion of three years, securing 146 credits and satisfying the minimum credit requirement, if, in addition, they complete one internship of 4 credits during the summer vacation of the first year/second year/third year.										146(+4)

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Year	Semester	Subject 1 / Discipline 1	Subject 2/ Discipline 2	Subject 3/ Discipline 2	Subject 4/ Discipline 2	Ability Enhancement Courses (AEC)	Skill Enhancement Courses (SEC)	Value Added Courses common for all UG	Summer Internship	Research Project / Dissertation	Minimum Credit (for the Semester)	Cumulative minimum credit required for certificate/diplo ma/degree
		Major	Major	Major/Minor	Multidisciplinary	AEC	SEC	VAC				
		Own Faculty	Own Faculty	Own Faculty/ Other Faculty	Other Faculty							
IV Year (Hons.)	VII	(6) 1. TH - 6 or Th - 4 + Pr - 2 (4) 2. Th-4	(6) 1. TH - 6 or Th - 4 + Pr - 2 (4) 2. Th-4	(6) TH - 6 or Th - 4 + Pr - 2							26	50
	VIII	(6) 1. TH - 6 or Th - 4 + Pr - 2 (4) 2. Th-4	(6) 1. TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2 (2) 2. Th-2							24	
UG Degree (Hons.) Total		<b>Students will be awarded UG Degree (Honours) in the relevant Discipline /Subject provided they secure 200 credits</b>										200
IV Year (Hons.) + Research	VII	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2							18	38+12
	VIII	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2	(6) TH - 6 or Th - 4 + Pr - 2 (2) 2. Th-2						12	20	
UG Degree (Hons.) + Research Total		<b>Students will be awarded UG Degree (Honours) with Research in the relevant Discipline /Subject provided they secure 200 credits</b>										200

**Note:**

1. Discipline1/ Subject1, Discipline2/ Subject2 and Discipline3/ Subject3, all three cannot be from the same discipline/Subject. In the case of Arts Faculty, All three cannot be Language Discipline/Subject also all three cannot be social Discipline/Subject
2. Students are not allowed to take the same courses studied in the 12<sup>th</sup> class under the interdisciplinary/ Multidisciplinary Courses.
3. 40 % of the credits in any category may be earned through online courses approved by the Department and Institution as per existing UGC regulations.

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**Structure of 4 Year's B.A./B.A. (XXX)/B.Com./B. Com. (XXX)/ B. Sc./ B.Sc.(XXX) /B.P.A. /B.V.A. /B.Des. /B.B.A. /B.C.A.:**

(XXX= represents three major/minor core subjects)

**SEMESTER-I**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
	Language-Hindi	Ability Enhancement Course	4	0	0	4
		Skill Enhancement Course	2	0	0	2
		Value Added Course				2
		<b>Total Credit</b>				<b>26</b>

**SEMESTER-II**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
	Language-English	Ability Enhancement Course	4	0	0	4
		Skill Enhancement Course	2	0	0	2
		Value Added Course				2
		<b>Total Credit</b>				<b>26</b>

**Credits offered for 1-year certificate: Year I Internship Total credits**

$$52 \quad 4 \quad = \quad 56$$

For exit after 1<sup>st</sup> year, minimum credit requirement is 48 from the course and 4 credits from the internship, hence the certificate is @52 credits. After 1<sup>st</sup> year Internship is mandatory for exiting at this stage.

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**SEMESTER-III**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
		Multidisciplinary Elective Course	4	0	0	4
		Skill Enhancement Course	2	0	0	2
		Value Added Course				2
		<b>Total Credit</b>				<b>26</b>

**SEMESTER-IV**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
		Multidisciplinary Elective Course	4	0	0	4
		Skill Enhancement Course	2	0	0	2
		Value Added Course				2
		<b>Total Credit</b>				<b>26</b>

Duration of internship: 120 hours or 3 weeks (4 Credits)

Credits offered for a two-year diploma:

Year I    Year II    Internship total credits

52        52        4        = 108

For exit after II<sup>nd</sup> year, the minimum credit requirement is 96 from the course and 4 credits from the internship, hence the UG Diploma @100 credits.

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**SEMESTER V**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
		Multidisciplinary Elective Course	4	0	0	4
		<b>Total Credit</b>				<b>22</b>

**SEMESTER VI**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
		Skill Enhancement Course	2	0	0	2
		<b>Total Credit</b>				<b>20</b>

Credits offered for a 3-year UG degree:

Year I	Year II	Year III	internship	total credits
52	52	42	4	= 150

For exit after III<sup>rd</sup> year, minimum credit requirement is 146 from the course and 4 credits from the internship, hence 3 years UG Degree @140 credits.

Minimum seats to be filled for running the course: 15

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**SEMESTER-VII**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
		Discipline-Specific Elective 1 (Subject 1)	4	0	0	4
		Discipline Specific Elective 2 (Subject 2)	4	0	0	4
		<b>Total Credit</b>				<b>26</b>

**SEMESTER-VIII**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
		Discipline Specific Elective 3 (Subject 1/2)	4	0	0	4
		Discipline Specific Elective 4 (Subject 3) or Research Ethics And Methodology	2	0	0	2
		<b>Total Credit</b>				<b>24</b>

**Credits offered for 4-year UG degree honours:**

Year I	Year II	Year III	Year IV	internship	total credits
52	52	42	50	4	= 200

For a 4-year UG degree Honours minimum credit requirement is 196 from the course and 4 from the internship, for hence 4-year UG degree Honours @200 credits.

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Students who score 75% or more in 3 year UG degree will be eligible for the 4<sup>th</sup> year of the 4-year UG “honours with research” programme.

Minimum seats to be filled for running the course: 15

**SEMESTER-VII**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Centric Core (Major)	4	0	2	6
	Subject 2/Discipline 2	Discipline Centric Core (Major)	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
<b>Total Credit</b>						<b>18</b>

**SEMESTER-VIII**

Course Code	Course Title	Course Type	L	T	P	Credit
	Subject 1/Discipline 1	Discipline Specific Major	4	0	2	6
	Subject 2/Discipline 2	Discipline Specific Major	4	0	2	6
	Subject 3/Discipline 3	Discipline Centric Core (Major/Minor)	4	0	2	6
	Research Ability Enhancement Courses (RAEC) and	Research Ethics and Methodology	4	0	0	2
<b>Total Credit</b>						<b>20</b>

	Research Ability Enhancement Courses (RAEC) and Thesis	Dissertation/Thesis Preparation/Writing	12 hours/week	<b>12</b>
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Credits offered for 4-year UG degree “honours with research”:

Year I	Year II	Year III	Year IV	internship	total credits
52	52	42	38+12	4	= 200

For 4 year UG degree “honours with research” the minimum credit requirement is 196 from the course and 4 from the internship, hence 4 year UG degree “honours with research” @200 credits.

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**B.A./B.A. (XXX)/B.Com./B. Com. (XXX)/ B. Sc./ B.Sc.(XXX) /B.P.A. /B.V.A. /B.Des.  
/B.B.A. /B.C.A. 4-Year Programme Structure:**

The Programme is divided into four parts and each part will consist of two semesters.

Part	Year	Odd Semester	Even Semester
Part - I	First Year	Semester -I	Semester- II
Part - II	Second Year	Semester -III	Semester- IV
Part - III	Third Year	Semester -V	Semester- VI
Part - IV	Fourth Year	Semester -VII	Semester- VIII

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# Scheme of Examination for Undergraduate Programme As per UGC Framework for Undergraduate Programme for the Session 2023-2024

## Scheme of Examination-

**1 credit = 25 marks for examination/evaluation**

Continuous assessment, in which sessional work and the terminal examination will contribute to the final grade. Each course in Semester Grade Point Average (SGPA) has two components- Continuous assessment (20% weightage) and (End of Semester Examination) EoSE (80% weightage).

1. Sessional work will consist of class tests, mid-semester examination(s), homework assignments, etc., as determined by the faculty in charge of the courses of study.
2. Each Paper of EoSE shall carry 80% of the total marks of the course/subject. The EoSE will be of 3 hours duration.
  - Part-A of the paper shall have multiple questions of equal marks. This first question shall be based on knowledge, understanding and applications of the topics/texts covered in the syllabus.
  - Part B of the paper shall consist of 4 questions with an internal choice of each. The four questions will be set with one from each of the units with internal choice. Third to fourth questions shall be based on applications of the topics/texts covered in the syllabus (60 % weightage) and shall involve solving Problems (40% weightage) if applicable.
3. 75% Attendance is mandatory for appearing in EoSE.
4. To appear in the EoSE examination of a course/subject student must appear in the mid-semester examination and obtain at least a C grade in the course/subject.
5. Credit points in a Course/Subject will be assigned only if, the student obtains at least a C grade in midterm and EoSE examination of a Course/Subject.

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## Contact Hours –

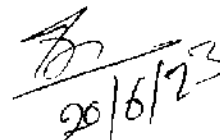
### 15 Weeks per Semester

L – Lecture	(1 Credit = 1 Hour/Week)
T – Tutorial	(1 Credit = 1 Hour/Week)
S – Seminar	(1 Credit = 2 Hours/Week)
P – Practical/Practicum	(1 Credit = 2 Hours/Week)
F – Field Practice/Projects	(1 Credit = 2 Hours/Week)
SA – Studio Activities	(1 Credit = 2 Hours/Week)
I – Internship	(1 Credit = 2 Hours/Week)
C – Community Engagement and Service	(1 Credit = 2 Hours/Week)

## Exit and Entrance Policy

1. Students who opt to exit after completion of the first year and have secured 48 credits will be awarded a **UG Certificate** if, in addition, they complete one internship of 4 credits during the summer vacation of the first year. These students are allowed to re-enter the degree programme within three years and complete the degree programme within the stipulated maximum period of seven years.
2. Students who opt to exit after completion of the second year and have secured 96 credits will be awarded the UG diploma if, in addition, they complete one internship of 4 credits during the summer vacation of the second year. These students are allowed to re-enter within a period of three years and complete the degree programme within the maximum period of seven years.
3. Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major discipline after successful completion of three years, securing 150 credits and satisfying the minimum credit requirement.
4. A four-year UG Honours degree in the major discipline will be awarded to those who complete a four-year degree programme with 200 credits and have satisfied the minimum credit requirements.
5. Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline. The students who secure 200 credits, including 12 credits from a research project/dissertation, are awarded UG Degree (Honours with Research).

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# RULES FOR "PASS", "BACK PROMOTED" AND "FAIL"

## 1. For students admitted in the first year:

- I. Every student will be promoted from the first semester to the second semester
- II. In the first year the student can earn 52 or 56 credits by-

S. No.	Semester	Major Discipline Credit	Major/Minor Discipline Credit	Multidisciplinary Courses Credit	AEC Credit	SEC Credit	VAC Credit	Internship	Total Credit
1.	I	2 x 6 = 12	1 X 6 = 6	0	1x4 = 4	1x2 = 2	1x2 = 2	4 Credit required for exit	26
2.	II	2 X 6 = 12	1 X 6 = 6	0	1x4 = 4	1x2 = 2	1x2 = 2		26
<b>I - Year</b>		<b>24</b>	<b>12</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>(+4)</b>	<b>52(+4)</b>

- III. If a student secures a **minimum of 48 credits** in the first year, he/she will be promoted by the university with the remark **"PASS"** in the second year. If he/she want to to exit after first year with **"CERTIFICATE OF FACULTY/DISCIPLINE"** then a **minimum of 48 credits from course and 4 credits from internship** to be earned.
- IV. If the minimum number of credits acquired by the student in the first year is less than 48, then-  
On securing a minimum of 18 credits (50% of total credits 36 in core subjects) and a minimum of 26 credits (50% of total credits 52) in the first year will be promoted with the remark **"BACK PROMOTED"**. In his second year, he can again earn the required credits by appearing in the relevant subjects of the first and second semesters.
- V. Otherwise, the student will be **EX-STUDENT** with the remark **"FAIL"**.
- VI. In any year the student cannot appear in all the examinations of any one semester of the previous year.
- VII. For promotion from the current year to the next year, it is mandatory to pass all the prescribed co-courses of the previous year with a minimum of **C grades (40%)**.
- VIII. The maximum period to complete the first year is three years, and for this, the student must have earned a minimum of 48 credits.

$$\frac{4-7}{20/6/2023}$$

$$\frac{16}{20/8/23}$$



## 2. For students admitted in the Second year:

- I. Every student will be automatically promoted from the current semester to the next semester
- II. In the second year also the student can earn **52 or 56 credits-**

S. No.	Semester	Major Discipline Credit	Major/Minor Discipline Credit	Multidisciplinary Courses Credit	AEC Credit	SEC Credit	VAC Credit	Internship	Total Credit
1.	III	2 x 6 = 12	1 X 6 = 6	1x4 = 4	0	1x2 = 2	1x2 = 2	4 Credit required for exit	26
2.	IV	2 X 6 = 12	1 X 6 = 6	1x4 = 4	0	1x2 = 2	1x2 = 2		26
<b>II - Year</b>		24	12	8	0	4	4	(+4)	52(+4)

- III. Student with "**PASS**" double remark in the first year
  - If a student secures a **minimum of 48 credits** in the current year, he/she will be promoted by the university with the remark "**PASS**" in the next year. If he/she want to to exit after current year with "**DIPLOMA IN FACULTY/DISCIPLINE**" then a **minimum of 48 credits from course and 4 credits from internship** to be earned.
  - Summer Internship of 4 credits is mandatory after Semester IV<sup>th</sup> for all the students.
  - If he/she is not able to secure the minimum credits of **48** in the current year, the remark "**BACK PROMOTED**" OR "**FAIL**" will remain the same as in the previous year.
- IV. A student with the remark "**BACK PROMOTTED**" in the first year if-
  - Earns the required credits (total 48) of the first year and also the minimum 48 credits of the current year, then he/she will be promoted to the next year with the remark "**PASS**" by the University, and he/she will be awarded the title "**DIPLOMA IN FACULTY/DISCIPLINE**" on passing out. would be eligible to receive.
  - If he is not able to earn the required credits (total 48) of the first year, then he will not be promoted from the current year to the next year until he earns the total credits of the previous year's 48. That is, for promotion from the current year to the next year, the student must have earned all the credits in the first year and in the second year, by securing at least **18 credits in the core subjects and at least 26 credits in the current year**, in both the semesters combined, "**BACK PROMOTED**" The class will be promoted by the comment.
- V. Otherwise **EX-STUDENT** will be there with the remark "**FAIL**".
- VI. In any year the student cannot appear in all the examinations of any one semester of the previous year
- VII. For promotion from the current year to the next year, it is mandatory to pass all the prescribed co-courses of the previous year with a minimum of **C grades (40%)**.
- VIII. The maximum period to complete the second year i.e. "**DIPLOMA IN FACULTY/DISCIPLINE**" degree is three years and for this, the student must have earned a minimum of **96 credits and 4 Credit from the internship**

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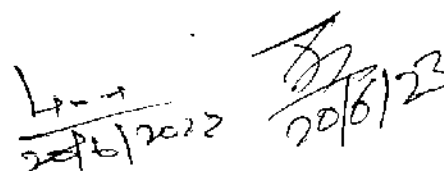
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### 3. For students admitted in the Third year:

- I. Every student will be automatically promoted from the current semester to the next semester
- II. In the second year also the student can earn **42 or 46 credits-**

S. No.	Semester	Major Discipline Credit	Major/Minor Discipline Credit	Multidisciplinary Courses Credit	AEC Credit	SEC Credit	VAC Credit	Internship	Total Credit
1.	V	2 x 6 = 12	1 X 6 = 6	1x4 = 4	0	0	0	4 Credit required for exit	22
2.	VI	2 X 6 = 12	1 X 6 = 6	0	0	1x2 = 2	0		20
<b>III - Year</b>		24	12	4	0	2	0	(+4)	42(+4)

- III. Student with a **"PASS"** remark in the last year -
  - If he/she earns 150 credits (including 4 credits of internship ) in all three years, he will be promoted to the next year with the remark **"PASS"** by the University, and he will be eligible for the title **"DEGREE IN FACULTY/DISCIPLINE"** upon passing out.
  - If he/she is not able to secure a minimum of 42 credits in the current year, the remark **"BACK PROMOTTED"** OR **"FAIL"** will remain the same as in the previous year.
- IV. A student with the remark **"BACK PROMOTTED"** in the previous year if-
  - also earns the required credits (total 48) of the previous year and minimum of 40 credits of the current year, he/she will be promoted to the next year with the remark **"PASS"** by the University, and on passing out he/she will be awarded the title **"DEGREE IN FACULTY/DISCIPLINE"**.
  - If he is not able to earn the required credits (total 48) of the previous year, then he will not be promoted from the current year to the next year until he does not earn 48 total credits from the previous year. That is, for promotion from the current year to the next year, the student must have earned the entire credits of the previous years and will be promoted with the comment **"BACK PROMOTTED"** on securing at least 20 credits in the main subjects in the current year.
- V. Otherwise EX-STUDENT will be there with the remark **"FAIL"**.
- VI. In any year the student cannot appear in all the examinations of any one semester of the previous year
- VII. For promotion from the current year to the next year, it is mandatory to pass all the prescribed co-courses of the previous year with a minimum of **C grades (40%)**.
- VIII. The maximum period to complete the third year i.e. **"DEGREE IN FACULTY/DISCIPLINE"** degree is three years and for this, the student must have earned a minimum of **150 credits (including 4 credits of internship )**.


  
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**4. For students admitted in 4th year (Hons. And Hons. With Research):**

- I. Every student will be automatically promoted from the current semester to the next semester
- II. In the fourth year, the student will earn 50 credits-

**For fourth year Students Of Hons.**

S. No.	Semester	Major Discipline Credit	Major/Minor Discipline Credit	Multidisciplinary Courses Credit	AEC Credit	SEC Credit	VAC Credit	Total Credit
1.	VII	2 x 6+2x4 = 20	1 X 6 = 6	0	0	0	0	26
2.	VIII	2 X 6=1x4 =16	1 X 6 + 1X2 = 8	0	0	0	0	24
<b>IV - Year</b>		36	14	0	0	0	0	50

**For fourth year Student of Hons. With Research**

S. No.	Semester	Major Discipline Credit	Major/Minor Discipline Credit	Multidisciplinary Courses Credit	AEC Credit	SEC Credit	VAC Credit	Project/Dissertation	Total Credit
1.	VII	2 x 6 =12	1 X 6 = 6	0	0	0	0	12	18
2.	VIII	2 X 6 =12	1 X 6+ 1X2 = 8	0	0	0	0		20
<b>IV - Year</b>		24	14	0	0	0	0	12	38+12=50

III. Student with a "PASS" remark in the previous year -

- If he secures a minimum of 50 credits in the current year also, he will be promoted to the next year by the University with a "PASS" remark, and he will be eligible to receive the title "Bachelor of Faculty (Hons.)" or if completed the Dissertation then "Bachelor of Faculty (Hons. With Research )" on passing out.
- If he/she is not able to secure the minimum credits of 52 in the current year, the remark "BACK PROMOTED" OR "FAIL" will remain the same as in the previous year.

IV. A student with the remark "BACK PROMOTED" in the previous year if-

- also earns the required credits (total 150) of the previous year and a minimum of 50 credits for the current year, he/she will be promoted to the next year with the remark "PASS" by the University, and he/she will be awarded the degree "Bachelor of Research" upon graduation. would be eligible to receive.
- If he is not able to earn the required credits (total 150) of the previous year, then he will not be promoted from the current year to the next year until he does not earn 150 total credits from the previous year. That is, for promotion from the current year to the coming year, the student must have earned the entire credits of the previous year and in the current year, having secured a minimum of 25 credits in the year, in both the semesters combined, by commenting "BACK PROMOTED". The class will be promoted.

V. Otherwise EX-STUDENT will be there with the remark "FAIL".

VI. In any year the student cannot appear in all the examinations of any one semester of the previous year

VII. The maximum period for completing the fourth year i.e. title "Bachelor of Faculty (Hons.)" or if completed the Dissertation then "Bachelor of Faculty (Hons. With Research )" degree is two years and for this, the student must have earned a minimum of 200 credits.

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## Letter Grades and Grade Points

Letter Grade	Grade Point	Marks Range (%)
O (outstanding)	10	91 - 100
A+ (Excellent)	9	81 - 90
A (Very good)	8	71 - 80
B+ (Good)	7	61 - 70
B (Above average)	6	51 - 60
C (Average)	5	40 - 50
P (Pass)	4	
F (Fail)	0	
Ab (Absent)	0	

When students take audit courses, they may be given a pass (P) or fail (F) grade without any credits.

## Computation of SGPA and CGPA

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- i. The SGPA is the ratio of the sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$\text{SGPA } (S_i) = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

Where  $C_i$  is the number of credits of the  $i^{\text{th}}$  course and  $G_i$  is the grade point scored by the student in the  $i^{\text{th}}$  course.

- ii. The Cumulative Grade Point Average (CGPA) is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester

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**Note –**

1. Marks obtained in each course and a weighted average of marks based on marks obtained in all semesters taken together shall be mentioned in the marksheet.
2. The Letter grades, Grade Point and SGPA and CGPA shall be issued in the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

**List of Faculties and Codes**

S. No.	Faculty Name	Faculty Code
1.	ARTS	01
2.	COMMERCE	02
3.	EDUCATION	03
4.	ENGINEERING & TECHNOLOGY	04
5.	FINE ARTS	05
6.	LAW	06
7.	MANAGEMENT	07
8.	SCIENCE	08
9.	SOCIAL SCIENCE	09

**List of Type of Courses and Codes**

S. No.	Type of Course	Code
1.	Certificate	CT
2.	Diploma	DP
3.	Post Graduate	PG
4.	Post Graduate Diploma	PD
5.	Post PG Diploma	PP
6.	Undergraduate	UG
7.	Ph.D.	PH

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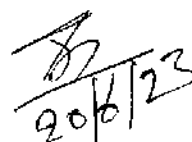
## Level of Course and Codes

S. No.	Level of Course	Code Range
1.	Pre-requisite Courses	000-099
2.	Foundation or Introductory Courses	100-199
3.	Intermediate-Level Courses	200-299
4.	High Level Courses	300-399
5.	Advance Courses	400-499
6.	First Year Master Degree Courses	500-599
7.	Second Year Master Degree Courses	600-699
8.	Courses limited to Doctoral Students	700-799 & above

## NHEQF Level of Undergraduate Courses

S. No.	NHEQF Level	Semester
1.	5	I
2.	5	II
3.	6	III
4.	6	IV
5.	7	V
6.	7	VI
7.	8	VII
8.	8	VIII

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## List of Undergraduate Programme

S. No.	Programme Name	Programme Code	Degree name	Exit Year
1	Four Year Bachelor of Arts	UG9101	Certificate in Arts	I Year
			Diploma in Arts	II Year
			Bachelor of Arts	III Year
			Bachelor of Arts (Hons.) / B.A. (Hons.)	IV Year
			Bachelor of Arts (Hons. With Research) / B.A. (Hons. With Research)	
2.	Four Year Bachelor of Arts (Economics)	UG9102	Certificate in Economics	I Year
			Diploma in Economics	II Year
			Bachelor of Arts (Economics)	III Year
			Bachelor of Arts (Economics Hons.) / B.A. (Economics Hons.)	IV Year
			Bachelor of Arts (Economics Hons. With Research) / B.A. (Economics Hons. With Research)	
3.	Four Year Bachelor of Arts (English Literature)	UG9103	Certificate in English Literature	I Year
			Diploma in English Literature	II Year
			Bachelor of Arts (English Literature)	III Year
			Bachelor of Arts (English Literature Hons.) / B.A. (English Literature Hons.)	IV Year
			Bachelor of Arts (English Literature Hons. With Research) / B.A. (English Literature Hons. With Research)	
4.	Four Year Bachelor of Arts (Geography)	UG9104	Certificate in Geography	I Year
			Diploma in Geography	II Year
			Bachelor of Arts (Geography)	III Year
			Bachelor of Arts (Geography Hons.) / B.A. (Geography Hons.)	IV Year
			Bachelor of Arts (Geography Hons. With Research) / B.A. (Geography Hons. With Research)	
5.	Four Year Bachelor of Arts (Hindi Literature)	UG9105	Certificate in Hindi Literature	I Year
			Diploma in Hindi Literature	II Year
			Bachelor of Arts (Hindi Literature)	III Year
			Bachelor of Arts (Hindi Literature Hons.) / B.A. (Hindi Literature Hons.)	IV Year
			Bachelor of Arts (Hindi Literature Hons. With Research) / B.A. (Hindi Literature Hons. With Research)	
6.	Four Year Bachelor of Arts (History)	UG9106	Certificate in History	I Year
			Diploma in History	II Year
			Bachelor of Arts (History)	III Year
			Bachelor of Arts (History Hons.) / B.A. (History Hons.)	IV Year

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S. No.	Programme Name	Programme Code	Degree name	Exit Year
			Bachelor of Arts (Philosophy Hons. With Research) / B.A. (Philosophy Hons. With Research)	
7.	Four Year Bachelor of Arts (Philosophy)	UG9107	Certificate in Philosophy	I Year
			Diploma in Philosophy	II Year
			Bachelor of Arts (Philosophy)	III Year
			Bachelor of Arts (Philosophy Hons.) / B.A. (Philosophy Hons.)	
			Bachelor of Arts (Philosophy Hons. With Research) / B.A. (Philosophy Hons. With Research)	IV Year
8.	Four Year Bachelor of Arts (Political Science)	UG9108	Certificate in Political Science	I Year
			Diploma in Political Science	II Year
			Bachelor of Arts (Political Science)	III Year
			Bachelor of Arts (Political Science Hons.) / B.A. (Political Science Hons.)	
			Bachelor of Arts (Political Science Hons. With Research) / B.A. (Political Science Hons. With Research)	IV Year
9.	Four Year Bachelor of Arts (Psychology)	UG9109	Certificate in Psychology	I Year
			Diploma in Psychology	II Year
			Bachelor of Arts (Psychology)	III Year
			Bachelor of Arts (Psychology Hons.) / B.A. (Psychology Hons.)	
			Bachelor of Arts (Psychology Hons. With Research) / B.A. (Psychology Hons. With Research)	IV Year
10.	Four Year Bachelor of Arts (Public Administration)	UG9110	Certificate in Public Administration	I Year
			Diploma in Public Administration	II Year
			Bachelor of Arts (Public Administration)	III Year
			Bachelor of Arts (Public Administration Hons.) / B.A. (Public Administration s Hons.)	
			Bachelor of Arts (Public Administration Hons. With Research) / B.A. (Public Administration Hons. With Research)	IV Year
11.	Four Year Bachelor of Arts (Sanskrit)	UG9111	Certificate in Sanskrit	I Year
			Diploma in Sanskrit	II Year
			Bachelor of Arts (Sanskrit)	III Year
			Bachelor of Arts (Sanskrit Hons.) / B.A. (Sanskrit Hons.)	
			Bachelor of Arts (Sanskrit Hons. With Research) / B.A. (Sanskrit Hons. With Research)	IV Year
12.	Four Year Bachelor of Arts (Sociology)	UG9112	Certificate in Sociology	I Year
			Diploma in Sociology	II Year
			Bachelor of Arts (Sociology)	III Year
			Bachelor of Arts (Sociology Hons.) / B.A. (Sociology Hons.)	IV Year

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S. No.	Programme Name	Programme Code	Degree name	Exit Year
			Bachelor of Arts (Sociology Hons. With Research) / B.A. (Sociology Hons. With Research)	
13.	Four Year Bachelor of Arts (Urdu)	UG9113	Certificate in Urdu	I Year
			Diploma in Urdu	II Year
			Bachelor of Arts (Urdu)	III Year
			Bachelor of Arts (Urdu Hons.) / B.A. (Urdu Hons.)	IV Year
			Bachelor of Arts (Urdu Hons. With Research) / B.A. (Urdu Hons. With Research)	
14.	Four Year Bachelor of Business Administration	UG0201	Certificate in Business Administration (BBA)	I Year
			Diploma in Business Administration (BBA)	II Year
			Bachelor of Business Administration	III Year
			Bachelor of Business Administration (Hons.)	IV Year
			Bachelor of Business Administration (Hons. With Research) / B.B.A. (Hons. With Research)	
15.	Four Year Bachelor of Commerce	UG0202	Certificate in Commerce	I Year
			Diploma in Commerce	II Year
			Bachelor of Commerce	III Year
			Bachelor of Commerce (Hons.) / B.Com. (Hons.)	IV Year
			Bachelor of Commerce (Hons. With Research) / B.Com. (Hons. With Research)	
16.	Four Year Bachelor of Commerce (ABST)	UG0203	Certificate in ABST	I Year
			Diploma in ABST	II Year
			Bachelor of Commerce (ABST)	III Year
			Bachelor of Commerce (ABST Hons.) / B.Com. (ABST Hons.)	IV Year
			Bachelor of Commerce (ABST Hons. With Research) / B.Com. (ABST Hons. With Research)	
17.	Four Year Bachelor of Commerce (Bus. Adm.)	UG0204	Certificate in Bus. Adm.	I Year
			Diploma in Bus. Adm.	II Year
			Bachelor of Commerce (Bus. Adm.)	III Year
			Bachelor of Commerce (Bus. Adm. Hons.) / B.Com. (Bus. Adm. Hons.)	IV Year
			Bachelor of Commerce (Bus. Adm. Hons. With Research) / B.Com. (Bus. Adm. Hons. With Research)	
18.	Four Year Bachelor of Commerce (EAFM)	UG0205	Certificate in EAFM	I Year
			Diploma in EAFM	II Year
			Bachelor of Commerce (EAFM)	III Year
			Bachelor of Commerce (EAFM Hons.) / B.Com. (EAFM Hons.)	IV Year
			Bachelor of Commerce (EAFM Hons. With Research) / B.Com. (EAFM Hons. With Research)	

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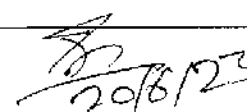
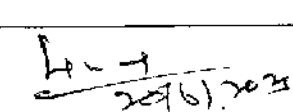
S. No.	Programme Name	Programme Code	Degree name	Exit Year
19.	Four Year Bachelor of Design (Craft Accessory Design)	UG0501	Certificate in Craft Accessory Design	I Year
			Diploma in Craft Accessory Design	II Year
			Bachelor of Design (Craft Accessory Design)	III Year
			Bachelor of Design (Craft Accessory Design Hons.) / B. Des. (Craft Accessory Design Hons.)	IV Year
			Bachelor of Design (Craft Accessory Design Hons. With Research) / B. Des. (Craft Accessory Design Hons. With Research)	
20.	Four Year Bachelor of Design (Fashion Design)	UG0502	Certificate in Fashion Design	I Year
			Diploma in Fashion Design	II Year
			Bachelor of Design (Fashion Design)	III Year
			Bachelor of Design (Fashion Design Hons.) / B. Des. (Fashion Design Hons.)	IV Year
			Bachelor of Design (Fashion Design Hons. With Research) / B. Des. (Fashion Design Hons. With Research)	
21.	Four Year Bachelor of Design (Interior Design)	UG0503	Certificate in Interior Design	I Year
			Diploma in Interior Design	II Year
			Bachelor of Design (Interior Design)	III Year
			Bachelor of Design (Interior Design Hons.) / B. Des. (Interior Design Hons.)	IV Year
			Bachelor of Design (Interior Design Hons. With Research) / B.Des. (Interior Design Hons. With Research)	
22.	Four Year Bachelor of Design (Jewellery Design)	UG0504	Certificate in Jewellery Design	I Year
			Diploma in Jewellery Design	II Year
			Bachelor of Design (Jewellery Design)	III Year
			Bachelor of Design (Jewellery Design Hons.) / B. Des. (Jewellery Design Hons.)	IV Year
			Bachelor of Design (Jewellery Design Hons. With Research) / B.Des. (Jewellery Design Hons. With Research)	
23.	Four Year Bachelor of Performing Arts (Instrumental-Sitar)	UG0505	Certificate in Instrumental-Sitar	I Year
			Diploma in Instrumental-Sitar	II Year
			Bachelor of Performing Arts (Instrumental-Sitar)	III Year
			Bachelor of Performing Arts (Instrumental-Sitar Hons.) / B.P.A. (Instrumental-Sitar Hons.)	IV Year
			Bachelor of Performing Arts (Instrumental-Sitar Hons. With Research) / B.P.A. (Instrumental-Sitar Hons. With Research)	
24.	Four Year Bachelor of Performing Arts (Kathak Dance)	UG0506	Certificate in Kathak Dance	I Year
			Diploma in Kathak Dance	II Year
			Bachelor of Performing Arts (Kathak Dance)	III Year
			Bachelor of Performing Arts (Kathak Dance / B.P.A. (Kathak Dance Hons.))	IV Year

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S. No.	Programme Name	Programme Code	Degree name	Exit Year
			Bachelor of Performing Arts (Kathak Dance Hons. With Research) / B.P.A. (Kathak Dance Hons. With Research)	
25.	Four Year Bachelor of Performing Arts (Tabla)	UG0507	Certificate in Tabla	I Year
			Diploma in Tabla	II Year
			Bachelor of Performing Arts (Tabla)	III Year
			Bachelor of Performing Arts (Tabla Hons.) / B.P.A. (Tabla Hons.)	IV Year
			Bachelor of Performing Arts (Tabla Hons. With Research) / B.P.A. (Tabla Hons. With Research)	
26.	Four Year Bachelor of Performing Arts (Vocal)	UG0508	Certificate in Vocal	I Year
			Diploma in Vocal	II Year
			Bachelor of Performing Arts (Vocal)	III Year
			Bachelor of Performing Arts (Vocal Hons.) / B.P.A. (Vocal Hons.)	IV Year
			Bachelor of Performing Arts (Vocal Hons. With Research) / B.P.A. (Vocal Hons. With Research)	
27.	Four Year Bachelor of Visual Arts (Applied Arts)	UG0509	Certificate in Applied Arts	I Year
			Diploma in Applied Arts	II Year
			Bachelor of Visual Arts (Applied Arts)	III Year
			Bachelor of Visual Arts (Applied Arts Hons.) / B.V.A. (Applied Arts Hons.)	IV Year
			Bachelor of Performing Arts (Applied Arts Hons. With Research) / B.V.A. (Applied Arts Hons. With Research)	
28.	Four Year Bachelor of Visual Arts (Painting)	UG0510	Certificate in Painting	I Year
			Diploma in Painting	II Year
			Bachelor of Visual Arts (Painting)	III Year
			Bachelor of Visual Arts (Painting Hons.) / B.V.A. (Painting Hons.)	IV Year
			Bachelor of Performing Arts (Painting Hons. With Research) / B.V.A. (Painting Hons. With Research)	
29.	Four Year Bachelor of Visual Arts (Sculpture)	UG0511	Certificate in Sculpture	I Year
			Diploma in Sculpture	II Year
			Bachelor of Visual Arts (Sculpture)	III Year
			Bachelor of Visual Arts (Sculpture Hons.) / B.V.A. (Sculpture Hons.)	IV Year
			Bachelor of Performing Arts (Sculpture Hons. With Research) / B.V.A. (Sculpture Hons. With Research)	
30.	Four Year Bachelor of Computer Application	UG0801	Certificate in Computer Application	I Year
			Diploma in Computer Application	II Year
			Bachelor of Computer Application	III Year
			Bachelor of Computer Application (Hons.)	IV Year

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S. No.	Programme Name	Programme Code	Degree name	Exit Year
			Bachelor of Computer Application (Hons. With Research) / B.C.A. (Urdu Hons. With Research)	
31.	Four Year Bachelor of Science (Bio Group)	UG0802	Certificate in Science	I Year
			Diploma in Science	II Year
			Bachelor of Science	III Year
			Bachelor of Science (Hons.) / B.Sc. (Hons.)	IV Year
			Bachelor of Science (Hons. With Research) / B.Sc. (Hons. With Research)	
32.	Four Year Bachelor of Science (Maths Group)	UG0803	Certificate in Science	I Year
			Diploma in Science	II Year
			Bachelor of Science	III Year
			Bachelor of Science (Hons.) / B.Sc. (Hons.)	IV Year
			Bachelor of Science (Hons. With Research) / B.Sc. (Hons. With Research)	
33.	Four Year Bachelor of Science (Bio-Technology)	UG0804	Certificate in Bio-Technology	I Year
			Diploma in Bio-Technology	II Year
			Bachelor of Science (Bio-Technology)	III Year
			Bachelor of Science (Bio-Technology Hons.) / B.Sc. (Bio-Technology Hons.)	IV Year
			Bachelor of Science (Bio-Technology Hons. With Research) / B.Sc. (Bio-Technology Hons. With Research)	
34.	Four Year Bachelor of Science (Botany)	UG0805	Certificate in Botany	I Year
			Diploma in Botany	II Year
			Bachelor of Science (Botany)	III Year
			Bachelor of Science (Botany Hons.) / B.Sc. (Botany Hons.)	IV Year
			Bachelor of Science (Botany Hons. With Research) / B.Sc. (Botany Hons. With Research)	
35.	Four Year Bachelor of Science (Chemistry)	UG0806	Certificate in Chemistry	I Year
			Diploma in Chemistry	II Year
			Bachelor of Science (Chemistry)	III Year
			Bachelor of Science (Chemistry Hons.) / B.Sc. (Chemistry Hons.)	IV Year
			Bachelor of Science (Chemistry Hons. With Research) / B.Sc. (Chemistry Hons. With Research)	
36.	Four Year Bachelor of Science (Geography)	UG0807	Certificate in Geography in Science faculty	I Year
			Diploma in Geography in Science faculty	II Year
			Bachelor of Science (Geography)	III Year
			Bachelor of Science (Geography Hons.) / B.Sc. (Geography Hons.)	IV Year
			Bachelor of Science (Geography Hons. With Research) / B.Sc. (Geography Hons. With Research)	

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S. No.	Programme Name	Programme Code	Degree name	Exit Year
37.	Four Year Bachelor of Science (Home Sc.)	UG0808	Certificate in Home Sc.	I Year
			Diploma in Home Sc.	II Year
			Bachelor of Science (Home Sc.)	III Year
			Bachelor of Science (Home Sc. Hons.) / B.Sc. (Home Sc. Hons.)	IV Year
			Bachelor of Science (Home Sc. Hons. With Research) / B.Sc. (Home Sc. Hons. With Research)	
38.	Four Year Bachelor of Science (Mathematics)	UG0809	Certificate in Mathematics	I Year
			Diploma in Mathematics	II Year
			Bachelor of Science (Mathematics)	III Year
			Bachelor of Science (Mathematics Hons.) / B.Sc. (Mathematics Hons.)	IV Year
			Bachelor of Science (Mathematics Hons. With Research) / B.Sc. (Mathematics Hons. With Research)	
39.	Four Year Bachelor of Science (Physics)	UG0810	Certificate in Physics	I Year
			Diploma in Physics	II Year
			Bachelor of Science (Physics)	III Year
			Bachelor of Science (Physics Hons.) / B.Sc. (Physics Hons.)	IV Year
			Bachelor of Science (Physics Hons. With Research) / B.Sc. (Physics Hons. With Research)	
40.	Four Year Bachelor of Science (Psychology)	UG0811	Certificate in Psychology in Science faculty	I Year
			Diploma in Psychology in Science faculty	II Year
			Bachelor of Science (Psychology)	III Year
			Bachelor of Science (Psychology Hons.) / B.Sc. (Psychology Hons.)	IV Year
			Bachelor of Science (Psychology Hons. With Research) / B.Sc. (Psychology Hons. With Research)	
41.	Four Year Bachelor of Science (Zoology)	UG0812	Certificate in Zoology	I Year
			Diploma in Zoology	II Year
			Bachelor of Science (Zoology)	III Year
			Bachelor of Science (Zoology Hons.) / B.Sc. (Zoology Hons.)	IV Year
			Bachelor of Science (Zoology Hons. With Research) / B.Sc. (Zoology Hons. With Research)	
42.	Four Year Bachelor of Vocational (Building Construction Technology)	UG0813	Certificate in (Building Construction Technology)	I Year
			Diploma in (Building Construction Technology)	II Year
			Bachelor of Vocational (Building Construction Technology)	III Year
			Bachelor of Vocational (Building Construction Technology Hons.) / B.Voc. (Building Construction Technology Hons.)	IV Year

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S. No.	Programme Name	Programme Code	Degree name	Exit Year
			Bachelor of Vocational (Building Construction Technology Hons. With Research) / B. Voc. (Building Construction Technology Hons. With Research)	

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## Guideline for Designing of Programme -

Sem ester	Discipline Specific Courses -Core	Major/Minor	Inter-disciplinary courses	Ability Enhancement courses (language)	Skill Enhancement courses /Internship /Dissertation	Common Value-Added Courses	Total Credits
I	(100 level)	(100 Level)		1 course)	(1 course)	(1 or 2 courses)	xx
II	(100 level)	(100 Level)		(1 course)	(1 course)	(1 or 2 courses)	xx
<i>Students exiting the programme after securing xx credits will be awarded UG Certificate in the relevant Discipline /Subject provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.</i>							xx
III	(200 level)	(200 & above)	(1 course)	(1 course)	(1 course)	-	xx
IV	(200 level)	(200 & above)	(1 course)	(1 course)		-	xx
<i>Students exiting the programme after securing xx credits will be awarded UG Diploma in the relevant Discipline /Subject provided they secure additional 4 credit in skill based vocational courses offered during first year or second year summer term.</i>							xx
V	(300 Level)	(200 & above) (300 & above)	(1 course)	-	(Internship)	-	xx
VI	(300 Level)	(200 & above) (300 & above)	-	-	-	-	xx
<i>Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline /Subject upon securing xxx credits</i>							xxx
	(400 Level)	(300 & above) (400 & above)	-	-	-	-	xx
	(400 Level)	(300 & above) (400 & above)	-	-	(Research Project/ Dissertation)	-	xx
<i>Students will be awarded UG Degree (Honours) with Research in the relevant Discipline /Subject provided they secure xxx credits</i>							xxx

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## Rules for Generation of Programme Code

### UG0809 - Four-Year Bachelor of Science (Physics)

The first and Second Letters indicate the type of Course. Here UG – Means Undergraduate Course

Third and Fourth Digit –

Fourth Digit – 8 means Science Faculty

Third Digit – 0 Means single faculty Programme

Third Digit – 1 to 8, Second Faculty code

Third Digit – 9 More than two Faculties Programme

Fifth and Sixth Digit – Serial No. of Program In Faculty Programme List

## Rules for Generation of Course Code

PHY – Subject/ Discipline Three alphabet code

5 - NHEQF Level

1 - First Semester ( Can Vary from 1 to 8 as per semester)

T – Theory P- Practical/Practicum S-Seminar T-Tutorial F- Field Practice/Projects SA – Studio Activities I – Internship

C – Community Engagement and Service

Next Three Digit Level of Course

**UG0802-PHY-51T-(100-199)** - Foundation or Introductory Courses

**UG0802-PHY-51T-(200-299)** - Intermediate-Level Courses

**UG0802-PHY-51T-(300-399)** - High Level Courses

**UG0802-PHY-51T-(400-499)**- Advance Courses

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## Format For Programme -

Programme Code	UGXXXX	Programme Faculty		Programme Name	
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### Eligibility / Pre-requisite of the Programme-

### Degree Name and Entry and Exit Policy

Programme Name	Degree name	Exit Year
UG0101-Four Year Bachelor of Arts	Certificate in Arts	I Year
	Diploma in Arts	II Year
	Bachelor of Arts	III Year
	Bachelor of Arts (Hons.) / B.A. (Hons.)	IV Year
	Bachelor of Arts (Hons. With Research) / B.A. (Hons. With Research)	

### List of Major , Minor and Interdisciplinary/Multidisciplinary Subjects-

### Programme Outcome –

### Programme Objective -

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## Format For Course/Discipline Syllabus -

### SEMESTER-WISE PAPER TITLES WITH DETAILS

UG0809 - Four-Year Bachelor of Science								
Subject/Discipline-Physics								
#	Level	Semester	Type	Title	Credits			
					L	T	P	Total
1.	5	I	MJR	PHY-51T-101-Mechanics	2	0	0	2
2.	5	I	MJR	PHY-51P-102-Physics Lab-I	0	0	2	2
3.	5	II	MJR	PHY-52T-103-Oscillations and Wave	4	0	0	4
4.	5	II	MJR	PHY-52P-104-Physics Lab-II	0	0	2	2
5.	6	III	MJR	PHY-63T-201-Optics-I	4	0	0	4
6.	6	III	MJR	PHY-63P-202-Physics Lab-III	0	0	2	2
7.	6	IV	MJR	PHY-64T-203-Thermodynamics	4	0	0	4
8.	6	IV	MJR	PHY-64P-204-Physics Lab-IV	0	0	2	2

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## Syllabus: B.Sc.-Semester I Physics (2023-2024)

PHY-51T-101-Mechanics : 3 Hrs duration                      20+80 Marks                      8+32 Marks  
 PHY-51P-102-Physics Lab-I : 4 Hrs. duration                      10+40 Marks                      4+16 Marks

Code of the course	Title of the course	Level of the Course	Credits of the Course
PHY-51T-101	Mechanics	5	4
Type of the Course		Delivery Type of the Course	
Major		Lecture, Sixty Lectures including diagnostic and formative assessments during lecture hours.	
Prerequisites	Physics and Mathematics courses of Central Board of Secondary Education or equivalent.		
Objectives of the Course:	<p>Objectives of the Course in Mechanics:</p> <ol style="list-style-type: none"> <li>1. Understand frames of reference: Students should be able to differentiate between inertial and non-inertial frames of reference. They should grasp the concept of Galilean transformation and its relation to the invariance of Newton's laws.</li> <li>2. Analyze motion in rotating frames: Students should comprehend the transformation of displacement, velocity, and acceleration between rotating frames of reference. They should be able to apply the concept of Coriolis force and understand its impact on motion relative to the Earth.</li> <li>3. Explore conservative forces: Students should be introduced to the concepts of conservative and non-conservative forces. They should understand how rectilinear motion is affected by conservative forces and be able to analyze potential energy curves and the motion of particles under their influence.</li> <li>4. Study the concept of the centre of mass: Students should gain an understanding of the concept of the centre of mass and its significance. They should be able to apply the centre of the mass frame to analyze collisions of particles and systems with varying masses. They should also grasp the concept of angular momentum and its conservation.</li> <li>5. Investigate the motion of rigid bodies: Students should learn about the equations of motion for rotating bodies and the concept of inertial coefficient. They should be able to analyze cases where the moment of inertia is not parallel to the angular velocity. They should also explore the kinetic energy of rotation and the idea of principal axes. The precessional motion of a hanging top should be understood.</li> <li>6. Explore motion under central forces: Students should be introduced to central forces and their characteristics. They should understand the motion under central forces, particularly gravitational interaction. They should explore the concepts of inertia and gravitational mass and be able to analyze general solutions under gravitational interaction. Kepler's laws and the discussion of trajectories, including elliptical and circular orbits, should be covered. Rutherford scattering should also be studied.</li> </ol>		

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# Syllabus

## PHY-51T-101: Mechanics

Max. Marks: 20+80

PHY-51T-101-Mechanics : 3 Hrs duration

Min. Pass Marks: 8+32

20+80 Marks

### Unit – I

**Physical Law and Frame of Reference:** (a) Inertial and non-inertial frames, Transformation of Displacement, Velocity, Acceleration between different Frames of reference involving translation. Galilean transformation and invariance of Newton's laws. (b) Coriolis Force: Transformation of displacement, velocity and acceleration between rotating frame, Pseudo forces, Coriolis force, Motion relative to the earth, Foucault's pendulum. (c) Conservative Forces: Introduction about conservative and non-conservative forces, Rectilinear motion under conservative forces, Discussion of potential energy curve and motion of a particle. (8 Lectures)

### Unit -II

**Centre of Mass:** Introduction to Centre of Mass. Centre of Mass Frame: Collision of two particles in one and two dimensions (elastic and inelastic), Slowing down of neutrons in a moderator, Motion of a system with varying mass, Angular momentum concept, Conservation and charge particle scattering by a nucleus. (7 Lectures)

### Unit -III

**Rigid body:** Equation of a motion of a rotating body. Inertial coefficient. Case of  $J$  not parallel to  $\omega$ . The kinetic energy of rotation and the idea of principal axes. The precessional motion of the spinning Top. (7 Lectures)

### Unit -IV

**Motion under Central Forces:** Introduction about Central Forces, Motion under central forces, gravitational interaction. inertia and gravitational mass, General solution under gravitational interaction. Kepler's laws, Discussion of trajectories, Cases of elliptical and circular orbits, Rutherford scattering. (8 Lectures)

### Suggested Books and References –

1. Mechanics, Berkeley Physics, Vol.1, Kittel, Knight, et.al. 2007, Tata McGraw-Hill
2. An introduction to Mechanics, D. Kleppner, R.J. Kolenkow, 1973, McGraw-Hill
3. Feynman Lectures, Vol. I, R.P. Feynman, R.B. Leighton, M. Sands, 2008, Pearson Education.
4. Course of Theoretical Physics, Vol-I Mechanics, L.D. Landau, E.M. Lifshitz, Butterworth-Heinemann
5. Mechanics, D.S. Mathur, S. Chand and Company Limited,

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6. Theoretical Mechanics, M.R. Spiegel, 2006, Tata McGraw Hill.
7. Introduction to Classical Mechanics: With Problems and Solutions, David Morin
8. Classical Mechanics, Herbert Goldstein, Charles P. Poole, and John L. Safko
9. Classical Mechanics, John R. Taylor
10. Mechanics, Keith R. Symon

### Suggested E-resources:

#### Online Lecture Notes and Course Materials:

- MIT OpenCourseWare: Classical Mechanics - This resource provides lecture notes, problem sets, and solutions for a complete course on classical mechanics: <https://ocw.mit.edu/courses/physics/8-01sc-classical-mechanics-fall-2016/>
- HyperPhysics - This online resource provides concise explanations and interactive simulations for various topics in mechanics: <http://hyperphysics.phy-astr.gsu.edu/hbase/hframe.html>

### Course Learning Outcomes:

By the end of the course, students should be able to:

1. Analyze and describe motion in different frames of reference, including rotating frames, and understand the associated forces and transformations.
2. Apply the concepts of conservative forces to analyze and predict the motion of particles under their influence.
3. Calculate and understand the properties and behaviour of systems in terms of the centre of mass.
4. Apply the principles of mechanics to analyze and solve problems related to the motion of rigid bodies.
5. Analyze and understand the motion of particles under central forces, particularly gravitational forces, and apply Kepler's laws to describe and predict their trajectories.
6. Apply the principles and concepts learned to solve problems and analyze real-world phenomena, such as collisions and scattering events.

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