

KU 2022-STAT-2039

Dated: 15-3-2022

**P.G. DEPARTMENT OF STATISTICS**  
**UNIVERSITY OF KASHMIR**  
**SRINAGAR - 190006**

**NOTES:**

Dated: 14-03-2022

Minutes of the meeting of the Board of Under Graduate held on 14-03-2022 at 11:00 a.m in the office chamber of the Head of the Department.

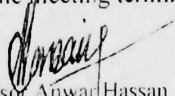
The following members were present:

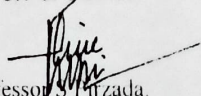
- |                             |              |
|-----------------------------|--------------|
| 1. Professor M.A.K. Baig    | in the chair |
| 2. Professor Anwar Hassan   | Member       |
| 3. Professor S Pirzada      | Member       |
| 4. Dr. Tariq Rashid Jan     | Member       |
| 5. Dr. Sheikh Parvaiz Ahmad | Member       |
| 6. Dr. Khursheed Ahmad Mir  | Member       |
| 7. Dr. Javaid Ahmad Reshi   | Member       |
| 8. Dr. Rumana Gulzar Matoo  | Member       |
| 9. Dr. Rayees Ahmad Dar     | Member       |

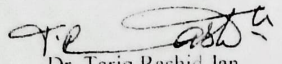
At the outset of the meeting, the Head of the Department while welcoming the members apprised them about the agenda of the meeting and discussed in threadbare and resolved as:

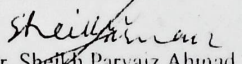
- 1) The Syllabus of the UG 1<sup>st</sup> Semester (Statistics) was framed under NEP 2020. The syllabus will be implemented with effect from the current session 2022.

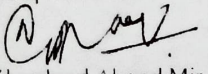
The meeting terminated with a vote of thanks.

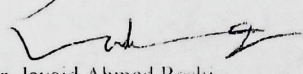
  
Professor Anwar Hassan

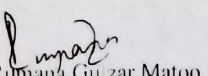
  
Professor S Pirzada

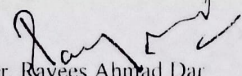
  
Dr. Tariq Rashid Jan

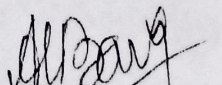
  
Dr. Sheikh Parvaiz Ahmad

  
Dr. Khursheed Ahmad Mir

  
Dr. Javaid Ahmad Reshi

  
Dr. Rumana Gulzar Matoo

  
Dr. Rayees Ahmad Dar

  
Head of the Department

Copy to: Joint Registrar, Academic Affairs, University of Kashmir, Srinagar.

Syllabus Governing the Choice-Based Credit System (CBCS) for the Three-Years (Two Semesters)  
B.A/B.Sc Statistics Honor's With Major/Minor /Open Elective Program Structure

Course Structure:  
Major/Minor

SEMESTER	COURSE CODE	TYPES OF COURSE	TITLE OF COURSE	CREDITS		
				THEORY	PRACTICAL 2 or 0	TUTORIAL 0 or 2
I	UGSTA22T101	Major/Minor (4 Credits)	Descriptive Statistics	4	0	0
I	UGSTA22P102	Practical Lab (2 Credits)	Descriptive Data Analysis	0	2	0
II	UGSTA22T201	Major/Minor (4 Credits)	Probability Theory And Probability Distributions	4	0	0
II	UGSTA22P202	Practical Lab (2 Credits)	Fitting of Probability Distributions	0	2	0

OPEN ELECTIVE COURSES: 4 (3+1) Credits:

(Note: Students opting for the subject as a Core can not opt for any of the Open Elective course)

COURSE CODE	TYPES OF COURSE	TITLE OF COURSE	CREDITS		
			THEORY 3	PRACTICAL 1	TUTORIAL 0
UGSTA22OET01	OE (3 Credits)	Basic Statistics-I	3	0	0
UGSTA22OEP02	OE (1Credits)	Basic Statistics-I	0	1	0
UGSTA22OET03	OE (3 Credits)	Basic Statistics-II	3	0	0
UGSTA22OEP04	OE (1 Credits)	Basic Statistics-II	0	1	0
UGSTA22OET05	OE (3 Credits)	Data Analysis	3	0	0
UGSTA22OEP06	OE (1 Credits)	Data Analysis	0	1	0

**Programme Outcomes (POs) :**

Students having Degree in B.A/B.Sc. Honor's (with Statistics) should have knowledge of different concepts and fundamentals of Statistics and ability to apply this knowledge in various fields of industry. They may pursue their future career in the field of Statistics and Research.

**Programme Specific Outcomes (PSOs):**

After completing the degree the student should have:

- Knowledge of different concepts, principles, methodologies and tools (skills) of Statistics.

- Ability to collect, tabulate, represent graphically, analyze and interpret data/information by using appropriate statistical tools.
- Ability to identify and solve a wide range of problems in real life/industry related to Statistics.
- Familiarity with computational techniques and statistical software including programming language (e.g. R) for mathematical and statistical computation.
- Capability to use appropriate statistical skills in interdisciplinary areas such as finance, health, agriculture, government, business, industry, telecommunication and bio-statistics.
- Ability to compete with industrial/private sector demand in the field of data analysis, marketing survey, etc. in professional manner and pursue their future career in the field of Statistics.
- Ability to develop original thinking for formulating new problems and providing their solutions. As a result, they will be able to pursue higher studies or research in the field of Statistics.

**P.G. DEPARTMENT OF STATISTICS**  
**UNIVERSITY OF KASHMIR**  
 SRINAGAR-190005

No F(BouGS STATIRU/23  
 Dated: 17-07-2023

**NOTES :**

**Minutes of the Meeting of the Board of Under Graduate Studies (BoUGS) (NEP 2020) in Statistics held on 17-07-2023 at 10:00 a.m in the Office Chamber of Head of the Department.**

The following members were present

- |                                |                    |
|--------------------------------|--------------------|
| 1. Professor Anwar Hassan      | In the chair       |
| 2. Professor M.A.K. Baig       | Member             |
| 3. Dr. Tariq Rashid Jan        | --do--             |
| 4. Dr. Sheikh Parvaiz Ahmad    | --do--             |
| 5. Prof. Mukhtar Ahmad Khanday | --do--             |
| 6. Dr. Sheikh Bilal Ahmad      | --do--             |
| 7. Dr. Javaid Ahmad Reshi      | --do--             |
| 8. Dr. Rumana Gulzar Mattu     | --do--             |
| 9. Dr. Aijaz Ahmad Hakak       | --do--             |
| 10. Dr. Mohd Rizwanullah       | --do--             |
| 11. Dr. Khurshid Ahmad Mir     | --do--             |
| 12. Mr. Khurshid Ahmad Khan    | --do--             |
| 13. Dr. Rayees Ahmad           | --do--             |
| 14. Dr. Aijaz Ahmad Bhat       | --do--             |
| 15. Mr. Mushtaq Ahmad Zargar   | (Nominated Member) |

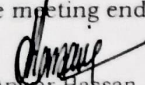
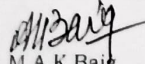
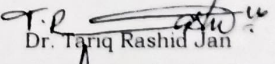
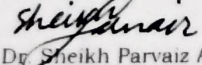
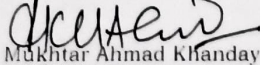
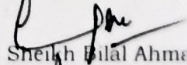
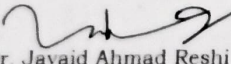
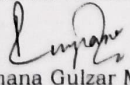
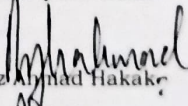
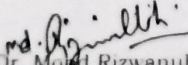
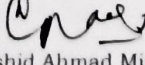
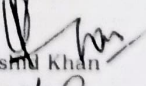
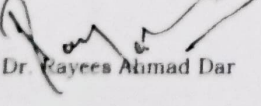
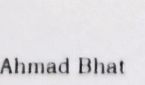
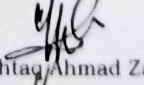
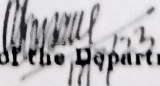
At the outset of the meeting, the Head of the Department, **Prof Anwar Hassan** while welcoming the members apprised the members about the agenda of the meeting regarding the syllabi content to be framed for **4-year Honor's** programme under **NEP-2020**.

The threadbare discussion was held in order to frame the syllabi content in consonance with the **UGC and University guidelines** recently issued under **NEP 2020**.

The syllabus will be implemented with effect from the current session **2023**. However, the syllabi content of **1<sup>st</sup> and 2<sup>nd</sup> Semester of Batch-2022** was also revisited while as the syllabi content of **3<sup>rd</sup> and 4<sup>th</sup> Semester for Batch-2022** was framed afresh.

After thorough deliberations and discussions, the syllabi content was approved as per the suggestions and unanimous consensus of the members.

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

 Prof. Anwar Hassan	 Prof. M.A.K. Baig	 Dr. Tariq Rashid Jan
 Dr. Sheikh Parvaiz Ahmad	 Prof. Mukhtar Ahmad Khanday	 Dr. Sheikh Bilal Ahmad
 Dr. Javaid Ahmad Reshi	 Dr. Rumana Gulzar Mattu	 Dr. Aijaz Ahmad Hakak
 Dr. Mohd Rizwanullah	 Dr. Khurshid Ahmad Mir	 Mr. Khurshid Khan
 Dr. Rayees Ahmad Dar	 Dr. Aijaz Ahmad Bhat	 Mr. Mushtaq Ahmad Zargar
		 Head of the Department

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**DEPARTMENT OF STATISTICS**  
**UNIVERSITY OF KASHMIR, SRINAGAR**  
**COURSE STRUCTURE FOR FOUR YEAR UNDERGRADUATE PROGRAMME IN STATISTICS**  
**PROGRAMME: BACHELOR OF HON'S WITH RESEARCH IN STATISTICS**  
**MAJOR/MIMOR/MD/SKILL COURSE FOR GROUP I: SEMESTER-I, II and III: BATCH 2023**

SEMESTER	COURSE CODE	TYPES OF COURSE	TITLE OF COURSE	CREDITS		
				THEORY	PRACTICAL	TUTORIAL
I	STS123J	MAJOR	DESCRIPTIVE STATISTICS	4	2	0
	STS123N	MINOR	DESCRIPTIVE STATISTICS	4	2	0
	STS023I	MD	INTRODUCTORY STATISTICS	3	0	0
	ST123S	SKILL	VISUALIZATION OF DATA	2	2	0
II	STS223J	MAJOR	COORELATION AND REGRESSION ANALYSIS	4	2	0
	STS223N	MINOR	COORELATION AND REGRESSION ANALYSIS	4	2	0
	STS023I	MD	INTRODUCTORY STATISTICS	3	0	0
	ST223S	SKILL	ANALYSIS OF DATA	2	2	0
III	STS323J:	MAJOR	PROBABALITY THEORY	4	2	0
	STS323N:	MINOR	PROBABALITY THEORY	4	2	0
	STS023I	MD	INTRODUCTORY STATISTICS	3	0	0
	ST323S	SKILL	COMPUTATIONAL STATISTICS	2	2	0

**DEPARTMENT OF STATISTICS  
UNIVERSITY OF KASHMIR, SRINAGAR**

MAJOR AND MINOR COURSE FOR GROUP II: SEMESTER-IV, V and VI:

SEMESTER	COURSE CODE	TYPES OF COURSE	TITLE OF COURSE	CREDITS		
				THEORY	PRACTICAL	TUTORIAL
IV	STS423J1	MAJOR TYPE 1	PROBABALITY DISTRIBUTIONS	3	1	0
	STS423J2	MAJOR TYPE 2	APPLIED STATISTICS	4	2	0
	STS423J3	MAJOR TYPE 3	VITAL STATISTICS	4	2	0
	STS423N	MINOR	PROBABALITY DISTRIBUTIONS	3	1	0
V	STS523J1	MAJOR TYPE 1	SAMPLING THEORY	3	1	0
	STS523J2	MAJOR TYPE 2	OPERATION RESEARCH	4	2	0
	STS523J3	MAJOR TYPE 3	SAMPLING DISTRIBUTIONS	4	2	0
	STS523N	MINOR	SAMPLING THEORY	3	1	0
VI	STS623J1	MAJOR TYPE 1	DESIGN OF EXPERIMENTS	3	1	0
	STS623J2	MAJOR TYPE 2	STATISTICAL INFERENCE	4	2	0
	STS623J2	MAJOR TYPE 3	STATISTICAL COMPUTING-I	4	2	0
	STS623N	MINOR	DESIGN OF EXPERIMENTS	3	1	0

**DEPARTMENT OF STATISTICS  
UNIVERSITY OF KASHMIR, SRINAGAR**

**MAJOR AND MINOR COURSE FOR GROUP III: SEMESTER-VII-VIII**

SEMESTER	COURSE CODE	TYPES OF COURSE	TITLE OF COURSE	CREDITS		
				THEORY	PRACTICAL	TUTORIAL
VII	STS722J1	MAJOR TYPE 1	ADVANCED SAMPLING THEORY	3	1	0
	STS722J2	MAJOR TYPE 2	ADVANCED PROBABILITY THEORY	4	2	0
	STS722J3	MAJOR TYPE 3	LINEAR MODELS AND REGRESSION ANALYSIS	4	2	0
	STS722N	MINOR	ADVANCED SAMPLING THEORY	3	1	0
4 YRS UG HON'S WITH RESEARCH						
VIII	STS822J1	MAJOR TYPE 1	RESEARCH METHODOLOGY	3	1	0
	STS822J2	MAJOR TYPE 2	PROJECT WORK/ DESSERTATION	0	12	0
	STS822N	MINOR	STATISTICAL SOFTWARE	3	1	0
4 YRS UG Hon's						
VIII	STS822J1	MAJOR TYPE 1	STATISTICAL COMPUTING-II	3	1	0
	STS822J2	MAJOR TYPE 2	STOCHASTIC PROCESSES	4	2	0
	STS822J3	MAJOR TYPE 3	OPERATION RESEARCH-II	4	2	0
	STS822N	MINOR	STATISTICAL COMPUTING-II	3	1	0

# P.G. DEPARTMENT OF STATISTICS

UNIVERSITY OF KASHMIR  
SRINAGAR-190005

No.F(BoUGS-STAT)KU/23  
Dated: 14-12-2023

## NOTES :

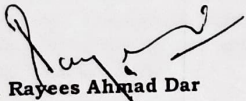
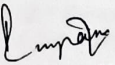
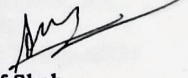
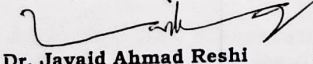
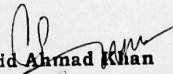
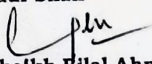
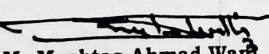
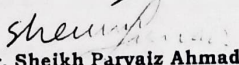
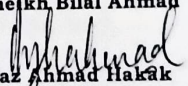
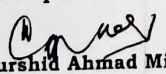
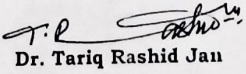
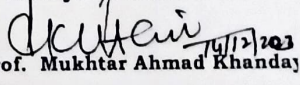
**Minutes of the Meeting of the Board of Under Graduate Studies (BoUGS) (NEP 2020) in Statistics held on 14-12-2023 at 12:00 noon in the Office Chamber of Head of the Department.**

Meeting of the members of the Board of Under Graduate Studies in the subject of Statistics comprising of the following members was held on 14<sup>th</sup> of December, 2023 in the office of the Head Department of Statistics University of Kashmir.

1. Professor Anwar Hassan	In the chair (HOD)
2. Prof. Mukhtar Ahmad Khanday	Member
3. Dr. Tariq Rashid Jan	--do--
4. Dr. Sheikh Parvaiz Ahmad	--do--
5. Dr. Aijaz Ahmad Hakak	--do--
6. Dr. Khurshid Ahmad Mir	--do--
7. Mr. Khurshid Ahmad Khan	--do--
8. Dr. Sheikh Bilal Ahmad	--do--
9. Mr. Mushtaq Ahmad	--do--
10. Dr. Javaid Ahmad Reshi	--do--
11. Dr. Rauf Shah	--do--
12. Dr. Rumana Gulzar Mattu	--do--
13. Dr. Rayees Ahmad Dar	--do--

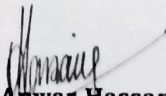
At the very outset of the meeting, the Head of the Department, **Prof Anwar Hassan** while welcoming the members apprised in detail about the agenda of the meeting and discussed the objectives and course learning outcomes of the syllabi content as per the NEP-2020 guidelines. Detailed and threadbare discussion was held in order to implement the syllabi content in consonance with the **UGC guidelines** recently adopted under **NEP 2020**. The course structure and syllabi content of 5<sup>th</sup> & 6<sup>th</sup> Semesters were finalized with a view to keep coherence with the syllabi content of other Universities. The members put forth their suggestions so that same is augmented effectively in consonance with the NEP guidelines during the academic discourse.

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

 Dr. Rayees Ahmad Dar	 Dr. Rumana Gulzar Mattu	 Dr. Rauf Shah
 Dr. Javaid Ahmad Reshi	 Mr. Khurshid Ahmad Khan	 Dr. Sheikh Bilal Ahmad
 Mr Mushtaq Ahmad Wani	 Dr. Sheikh Parvaiz Ahmad	 Dr. Aijaz Ahmad Hakak
 Dr. Khurshid Ahmad Mir	 Dr. Tariq Rashid Jan	 Prof. Mukhtar Ahmad Khanday

Recommended and forwarded to Dean Academic Affairs, K.U for perusal and approval.

Dean, Academic Affairs

  
Prof. Anwar Hassan  
(Chairman)



**DEPARTMENT OF STATISTICS**  
**UNIVERSITY OF KASHMIR, SRINAGAR**  
**COURSE STRUCTURE FOR FOUR YEAR UNDERGRADUATE PROGRAMME IN**  
**STATISTICS**

**PROGRAMME: BACHELOR OF HON'S WITH RESEARCH IN STATISTICS**  
**MAJOR/MINOR/MD FOR GROUP I: SEMESTER-I,II and III: BATCH 2022**

SEMESTER	COURSE CODE	TYPES OF COURSE	TITLE OF COURSE	CREDITS		
				THEORY	PRACTICAL	TUTORIAL
I	STS122J	MAJOR	DESCRIPTIVE STATISTICS	4	2	0
	STS122N	MINOR	DESCRIPTIVE STATISTICS	4	2	0
	STS022I	MD	INTRODUCTORY STATISTICS	3	0	0
II	STS222J	MAJOR	PROBABILITY THEORY & PROBABILITY DISTRIBUTIONS	4	2	0
	STS222N	MINOR	PROBABILITY THEORY & PROBABILITY DISTRIBUTIONS	4	2	0
III	STS022I	MD	INTRODUCTORY STATISTICS	3	0	0
	STS322J	MAJOR	MATHEMATICAL STATISTICS	4	2	0
	STS322N	MINOR	MATHEMATICAL STATISTICS	4	2	0
	STS022I	MD	INTRODUCTORY STATISTICS	3	0	0

**DEPARTMENT OF STATISTICS  
UNIVERSITY OF KASHMIR, SRINAGAR**

**MAJOR AND MINOR COURSES FOR GROUP II: SEMESTER-IV:**

SEMESTER	COURSE CODE	TYPES OF COURSE	TITLE OF COURSE	CREDITS		
				THEORY	PRACTICAL	TUTORIAL
IV	STS422J1	MAJOR TYPE 1	TESTING OF HYPOTHESIS	3	1	0
	STS422J2	MAJOR TYPE 2	APPLIED STATISTICS	4	2	0
	STS422J3	MAJOR TYPE 3	VITAL STATISTICS	4	2	0
	STS422N	MINOR	TESTING OF HYPOTHESIS	3	1	0