

DEPARTMENT OF MATHEMATICS & STATISTICS
UNIVERSITY COLLEGE OF SCIENCE
MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

M.A. /M.Sc. STATISTICS (CBCS) 2021-22

Semester- II

Course no.	Course Code PSSCCXX	Title of the Course	L-T-P	No. of Credits	Max. Marks		Total
					University Exam.	Internal Assessment	
	1	2		3	4	5	6
I	M2 STA 01 – CT 05	Core Course- 05 Sampling Distributions	4-1-0	5	80	20	100
II	M2 STA 02 – CT 06	Core Course- 06 Statistical Inference	3-1-0	4	80	20	100
III	M2 STA 03 – CT 07	Core Course- 07 Design of Experiments	4-1-0	5	80	20	100
IV	M2 STA 04 – CT 08	Core Course- 08 Statistical Computing with R	3-1-0	4	80	20	100
V	M2 STA 05 – CP 03	Core Course P- 03 Practical Based on CT 05 & CT 06	0-0-6	3	80	20	100
VI	M2 STA 06 – CP 04	Core Course P- 04 Practical Based on CT 07 & CT 08	0-0-6	3	80	20	100
VII	M2 STA 07-SC 0X	Skill Course- 0X	2-0-0	2	80	20	100

Skill Course (SC) for Semester II

Note: Students can opt one SC course with the permission of the Head of the Department.

Course no.	Course Code PSSCCXX	Title of the Course	L-T-P	No. of Credits	Max. Marks		Total
					University Exam.	Internal Assessment	
	1	2		3	4	5	6
I	M2 STA 07-SP 01A	English Language Communication and Presentation	0-0-2	2	80	20	100
II	M2 STA 07-SC 01	Skill Course Elective 01 Measurable functions and Lebesgue Integral	2-0-0	2	80	20	100
III	M2 STA 07-SC 02	Skill Course Elective - 02 Official Statistics-I	2-0-0	2	80	20	100
IV	M2 STA 07-SC 03	Skill Course Elective 03 Statistical Methods For Total Quality Management-I	2-0-0	2	80	20	100
V	M2 STA 07-SC 04	Skill Course Elective - 04 Investments Under Uncertainty-I	2-0-0	2	80	20	100
VI	M2 STA 07-SC 05	Skill Course Elective - 05 Actuarial Statistics-I	2-0-0	2	80	20	100

Skill Course (SC) for Semester II

M2 STA 07-SP 01 A

Skill Course Elective 01

English Language Communication and Presentation

(At the beginning of the semester, students must be provided: Detailed Lecture schedule of topics to be covered in each lecture, tutorial topics, clearly defining chapters/ sections of reference books followed, link to web resources etc. Examiners are expected to take into consideration the lecture schedule while setting the question papers to ensue questions are set within scope of the syllabus).

External: 80 Marks

Internal: 20 Marks

Contact Hours: 40hrs

Note:

- a. Of the 40 contact hours, atleast 30 hours must be devoted to practical exercises.
- b. Five assignments and five internal assessments, one from each unit are to be carried out.
- c. Use of audio/ visual aids must be made.

UNIT I

Introduction: Theory of Communication, types and modes of communication.

UNIT I

Language of Communication: Verbal and non-verbal (Spoken and Written) personal, Social and Business Barriers and Strategies Intra-personal, Inter-personal and Group Communication.

UNIT I

Speaking Skills: Monologue, Dialogue, Group Discussion, Effective communication/ Miscommunication, Interview, Public Speech.

UNIT I

Reading and Understanding: Close Reading Comprehensive Summary Paraphrasing Analysis and Interpretation Translation (from Indian Language to English and vice-versa) Literary/ Knowledge Texts.

UNIT I

Writing Skills: Documenting, Report Writing Making notes Letter Writing.

SWOC Analysis

Reference Books:

1. Bansal, R.K. & Harrison, J.B. (2013). Spoken English: A Manual of Speech and Phonetics, 4th ed. New Delhi: Orient Black Swan.
2. Sharma, N. (2010). Communication Skill. Satya Prakashan, New Delhi.
3. Lesikar R.V., Flatley M E, Rentz K & Pandey. (2009). Business Communication: Making Connections in a Digital World. New Delhi, Tata McGraw Hill.
4. Vibrant English. (2013). Hyderabad: Orient Black Swan.
5. Raymond Murphy, Essential English Grammar, 2nd Ed, Cambridge University Press, Cambridge, 2007.
6. Any other related Reading may be recommended.

List of sample practical exercises: (Spoken and Written)

1. Greeting and Self Introduction
2. Introducing people
3. Talking about favorite things
4. Making offers
5. Expressing shock and disbelief
6. Making appointments
7. Talking about preferences
8. Inviting, advising, giving suggestions
9. Expressing thanks and gratitude
10. Responding to thanks
11. Giving opinion, complaints
12. Talking about hope, expressing regret
13. Agreement, disagreement, apologizing, requesting
14. Talking about fear, making predictions, expressing certainty and uncertainty
15. Lack of understanding and asking for clarifications
16. Asking for and giving directions
17. Shopping, phone conversations
18. Giving and responding to bad and good news
19. Interrupting people, expressing feelings (good and bad), congratulating
20. Narration of an incident, storytelling
21. Writing a resume
22. Letters to various authorities/ offices (eg. Electricity, Bank, etc.)