

<b>Name of Faculty</b>	:	Faculty of Humanities & Social Science
<b>Name of Program</b>	:	Master of Arts - Psychology
<b>Course Code</b>	:	2MAP01
<b>Course Title</b>	:	Experimental Psychology- Theory and Practical
<b>Type of Course</b>	:	Professional Core (PC)
<b>Year of Introduction</b>	:	2023-24

<b>Course Objective</b>	:	<p>The purpose of the course is to make the students understand the mental processes such as learning, problem solving, perception, attention, memory, language, and decision-making through experiments.</p> <p>Understanding the applications of research based findings to real life settings.</p> <p>Developing an understanding of experimental psychology applications in the real life</p> <p>To provide knowledge and understanding to students of well-established theories with the help of experiments.</p> <p>To discuss both theoretical and applied perspectives of various processes</p>
<b>Course Outcomes</b>	:	<p>At the end of this course, students will be able to:</p> <p>CO1 Developing an appreciation of how experimental psychology principles can be applied to real life settings and to understand the nature and scope of multisensory stimulations</p> <p>CO2 Knowledge of the fundamental issues in contemporary experimental psychology using lab experiments and tests</p> <p>CO3 Apply the concepts of experimental psychology to understanding human perception and behaviour</p> <p>CO4 Evaluate perceptual issues and topics from experimental perspective</p> <p>CO5 Understanding of importance of experimental psychology with exposure to laboratory experiments and tests</p>

**Teaching and Examination Scheme**

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
				Theory Marks		Practical Marks		Total Marks
L	T	P	C	SEE	CIA	SEE	CIA	
4	0	4	6	70	30	30	20	150

*Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice; P – Practical, C – Credit, SEE – Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.))*

**Course Content**

Unit No.	Topics	Teaching Hours	Weightage %	Mapping with COs
1	<b>Attention</b> Nature of attention; definition and determinants of attention, Kinds of attention; habitual, selective, divided Theories of attention: Automatic Vs Controlled Processes	12	20	CO1
2	<b>Learning and Conditioning</b> Classical conditioning, Higher order conditioning, Operant conditioning- Social Learning	12	20	CO1 CO2
3	<b>Memory (Memory and Forgetting)</b> Memory processes; Sensory Memory: Sperling's Partial Technique; STM: Single and Dual Process Theories; LTM: Interference and Two Factor Theories, Retention and Recognition, Forgetting.	12	20	CO3
4	<b>Thinking and Concepts</b> The thinking process, Problem Solving, Decision Making, Creative thinking, Language formation, skeptical Enquiry, scientific approach to solve problems related to behavior and mental processes.	12	20	CO3 CO4
5	<b>Psychophysical Scaling and Psychophysics</b> Physical and Psychological Continua; Absolute and Difference Limen; Weber's Law and Fechner's Law; Steven's Power Law. Theory of Signal detection	12	20	CO4 CO5

Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	25	25	25	-	25	-

*NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.*

### List of Practicum

Sr. No.	Name of Practicums	Hours
1	Attention Enhancement, Tachistoscope span of attention-visual, Decision Making: Paired Comparison Method	12
2	Test of Information Processing Skills, Normal Probability curve	12
3	Punch Board Maze, Card Sorting Square tray	12
4	Intelligence: Bhatia Battery of Intelligence Test, Wechsler Adult Intelligence Scale	12
5	Motor Ability Measure (Finger and tweezer Dexterity), Steadiness tester, Developmental Assessment Scales	12

### Reference Books

Sr. No.	Name of Reference Books
1	D'Amato, M. R. Experimental Psychology: Methodology, Psychophysics and Learning. TataMcGraw Hill, 1979.
2	Ram Nath Sharma and Rachna Sharma, Experimental Psychology, Atlantic Publishers and Distributors (2003)
3	Anderson, J. R. Learning and Memory: An Integrated Approach. John Wiley, 2000.
4	Kantowitz, B. H., Roediger III, H. L., & Elmes, D. G. Experimental Psychology. Wadsworth Cengage Learning (International Student Edition), 2009.
5	Martin, D. W. (2008). Doing psychology experiments. Belmont, CA: Thomson-Wadsworth. Recommended American Psychological Association. (2001). Publication manual of the American psychological association. Washington, DC: American Psychological Association