



Savitribai Phule Pune University
(Formerly University of Pune)

**Three Year B.Sc. (Bachelor of Science) Degree Program in
Psychology**
(Faculty of Science and Technology)

F.Y.B.Sc. PSYCHOLOGY

Choice Based Credit System

Syllabus

Effective from Academic Year 2019-2020

1: Title of the course: B. Sc. with Psychology

2: Structure of the course:

Year	Semester	Paper No.	Title of the Paper	Lectures per week	Credit for semester
First Year	1	PSY-111	Foundations of Psychology	03	02
		PSY-112	Experimental Psychology	03	02
		PSY-113	Psychology Practical: Experiments	06	1.5
	2	PSY-121	Introduction to Social Psychology	03	02
		PSY-122	Psychological Testing	03	02
		PSY-123	Psychology Practical : Tests	06	1.5

Title of the Course: B.Sc. Psychology
(Effective from June-2019)
First Year B.Sc. (F.Y.B.Sc.)

PSY- 111: Foundations of Psychology

Course objectives and learning outcomes:

After the completion of this course students will be able to demonstrate the following competencies:

- a) Understand the basic psychological processes and their applications in day to day life.
- b) Develop the ability to evaluate cognitive processes, learning and memory of an individual.
- c) Understand the importance of motivation and emotion of the individual.
- d) Understand the personality and intelligence of the individuals by developing their psychological processes and abstract potentials.

Unit 1: Introduction: (09 lectures)

- 1.1 Psychology : a Science, goals of psychology
- 1.2 The brief history & perspective of Psychology: (Structuralism, Functionalism, Gestalt, Psychoanalysis, Behaviorism)
- 1.3 Career Avenues in Psychology & Fields of Psychology: (Clinical, Industrial & Organizational, Educational, Social, Developmental, Health, Criminal & Forensic, Military, Sports, Neuropsychology, Environmental, Positive, Spiritual and Women & Child psychology.)
- 1.4 The Indian Psychology: Past and present

Unit 2: Cognitive processes: (09 lectures)

- 2.1 Sensation, Attention and Perception, nature of perception, laws of perceptual organization
- 2.2 Learning- Classical and Operant conditioning, observational learning
- 2.3 Memory-processes, information processing model(s)
- 2.4 Forgetting: Theories of forgetting

Unit 3: Motivation and Emotion:

(09 lectures)

- 3.1 Motivation: Definition, Concept of Homeostasis & Maslow's Hierarchy of Motivation
- 3.2 Types of Motivation: Physiological, Psychological & Social
- 3.3 Motivational Conflicts: Intra-Conflicts & Inter-Conflicts
- 3.4 Emotion: Definitions, Nature & Importance, Basic Emotions (Joy, Excitement, Tenderness, Sadness, Anger, Fear & Love)

Unit 4: Personality and Intelligence:

(09 lectures)

- 4.1 Personality – Definitions, Nature
- 4.2 Personality as a set of traits: Cattell's, Allport's & Big Five Theory of Personality
- 4.3 Freud's Psychoanalytical Theory of Personality and Transactional Analysis
- 4.4 Intelligence: Definitions, Theories of Intelligence (Gardner's Theory, Cattell's Theory of Intelligence)

References:

1. Ciccarelli, S. K.; White J. N. Adapted by Girishwar Misra (2018). Psychology (5th Edition). Pearson.
2. Chadha, N.K. & Seth, S. (2014). The Psychological Realm: An Introduction. Pinnacle Learning, New Delhi.
3. Carole, W. and Carol, T. (2007). Psychology (7th Edition). Pearson Education, India.
4. Feldman S. R.(2009). Essentials of understanding psychology (7th Ed.) New Delhi : Tata Mc Graw Hill.
5. Morgan, King, Weisz, Schopler (2001). Introduction to psychology, Tata McGraw Hill.
6. Passer, M. W. & Smith, R. E. (2007). Psychology: The science of mind and behaviour. New Delhi: Tata McGraw-Hill.

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PSY- 112: Experimental Psychology

Course objectives and learning outcomes:

After the completion of this course students will be able to demonstrate the following competencies:

1. Understand basic concepts of Experimental Psychology.
2. Understand the different methods of psychophysics, learning, reaction time.
3. Understand psychological tests, intelligence, aptitude and personality.

UNIT- 1: UNDERSTANDING EXPERIMENTAL PSYCHOLOGY. (Total periods = 09).

- 1.1: The nature and scope of experimental psychology.
- 1.2: History of experimental psychology.
- 1.3: Characteristics of experimental psychology.
- 1.4: Application of experimental psychology.

UNIT-2: THE EXPERIMENTAL METHOD.

(Total periods = 09).

- 2.1: Importance of problem in experimentation
- 2.2: Concept of variables and types of variables.
- 2.3: Hypothesis in experimentation.
- 2.4: Experiments and experimental controls.

UNIT-3: RESEARCH DESIGN.

(Total periods = 09).

3.1: Importance of research design.

3.2: Types of research design.

3.3: Factorial design.

3.4: Quasi-experimental designs.

UNIT-4: PSYCHOPHYSICAL METHODS. (Total periods = 09).

4.1- Basic concepts of psychophysics.

4.2 -Basic problems in psychophysics.

4.3 -Methods of psychophysics.

4.4 –Weber’s and Fechner’s law.

References:

Bano, Samina.(Consultant Editor) (2012).Experimental Psychology.(1st edn).Dorling Kidersley , (India) Pvt. Ltd.

D Amato (2004). Experimental Psychology:Methodology, Psychophysics and Learning

Rajamanicam, M. (2005). Experimental Psychology: with Advanced Experiments. Vol 1 & 2. Concept Publishing Company, New Delhi.

Myers, A. and Hansen. (2002).Experimental Psychology. Wadsworth.

Postman, L. and Eagan, J. P.(1949). Experimental Psychology- An Introduction. Kalyani Publication.

Tiwari Govind and Pal Roma (1985). Experimental Psychology: A Dynamic Approach. Vinod Pustak Mandir, Agra

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PSY- 113: Psychology Practical: Experiments

OBJECTIVES:

1. To acquaint the students the basic concepts of Experiments in Psychology.
2. To acquaint the students how to conduct the experiments and to understand its practical applications and To introduce the students about basic knowledge of elementary statistics.

Outcomes: Understand human behavioural and mental processes through experiments.

LIST OF EXPERIMENTS: (Any Six Experiments).

1. Method of Limit.
2. Method of Constant Stimuli.
3. Method of Average Error.
4. Measurement of Illusion.
5. Measurement of Reaction Time (RT).
6. Maze Learning.
7. Concept.
8. Recall and Recognition.
9. Problem Solving.
10. Manual Dexterity or Finger Dexterity.
11. Short Term Memory (STM).
12. Knowledge of Result (KOR).

Methods of assessment for Internal exams: Seminars, Viva-voce, Projects, Surveys, Field visits, Tutorials, Assignment, Group Discussion, etc (on approval of the head of the centre)

* Practical Examination will be conducted by respective colleges at the end of the semester.

Books for Reading and References:

Bano, Samina.(Consultant Editor) (2012).Experimental Psychology.(1st edn).Dorling Kidersley , (India) Pvt. Ltd.

D Amato .(2004). Experimental Psychology:Methodology, Psychophysics and Learning

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Mohanti Girishbala (1996). Experiments n Psychology. Kalyani Publishers

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PSY- 121: Introduction to Social Psychology

Course objectives and learning outcomes:

After the completion of this course students will be able to demonstrate the following competencies:

- a) Understand the basics of social psychology.
- b) Understand the nature of self, concept of attitude and prejudice of the individual.
- c) Assess the interactional processes, love and aggression in our day today life. .
- c) Understand group dynamics and individual in the social world.

Unit 1: Introduction:

(Total 09 Lectures)

- 1.1 Definition, Brief history of social psychology (special emphasis on India),
- 1.2 Scope of social psychology
- 1.3 Levels of social behavior
- 1.4 Approaches towards understanding social behavior

Unit- 2.Individual Level Processes

(Total 09 Lectures)

- 2.1 Difference between Social Cognition & Social Perception.
- 2.2 Self –Concept: Nature, Self-regulation and self-presentation.
- 2.3 Attitude: Definition, components, Dimensions and formation of attitude
- 2.4 Prejudice: Causes.

Unit 3: Interpersonal processes:

(Total 09 Lectures)

3.1 Interpersonal attraction, love

3.2 Pro-social behaviour

3.3 Locus of control, increasing our helping nature.

3.4 Aggression: Meaning, Nature and causes of Aggression

Unit- 4.Group Dynamics

(Total 09 Lectures)

4.1 Groups: When we join and when we leave, The benefits of joining

4.2 Cooperation and Conflict

4.3 Conformity; Factors affecting Conformity, Obedience & Authority

4.4 Group decision making

Books for Reference

1. Baron, R. A., Branscombe, N. R., & Byrne, D. Bhardwaj, Gopa. (2008). Social Psychology. (12th ed.). New Delhi: Pearson Education, Indian subcontinent adaptation 2009
2. Aronson, E., Wilson, T. D., & Akert, R. M. (2007). Social Psychology. (6th edi.), New Jersey: Pearson Education prentice Hall
3. Baumeister, R. F., & Bushman, B. J. (2008). Social Psychology and Human Nature. International student edition, Thomson Wadsworth USA
4. Myers, D. G. (2006). Social Psychology. (8th edi.), Tata McCraw- Hill Publication.

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PSY- 122: Psychological Testing

Course objectives and learning outcomes:

After the completion of this course students will be able to demonstrate the following competencies:

- a) Understand the basics of psychological testing.
- b) Understand and assessing the human abilities.
- c) Understand and evaluate behaviour analysis.

UNIT-1: CONSTRUCTION OF PSYCHOLOGICAL TEST

- 1.1- Psychological Test: Meaning
- 1.2- Characteristics of a Good test
- 1.3- Uses of Psychological Tests.
- 1.4- Ethical issues in psychological testing.

UNIT-2: ITEM ANALYSIS

- 2.1- Item analysis: Meaning and purpose
- 2.2- Item Difficulty
- 2.3- Item discrimination
- 2.4- Power and Speed tests

UNIT-3: RELIABILITY

- 3.1- Classical test theory
- 3.2- Meaning and definition of reliability
- 3.3 Types of reliability
- 3.4- Reliability improvement techniques

UNIT-4: VALIDITY

- 4.1- Meaning and definition of validity
- 4.2- Types of validity
- 4.3- Validity: Influencing factors
- 4.4- Relationship between reliability and validity.

Books for Reading and references

- Anastasi, A. and Urbina, S. (2005). Psychological Testing (7th edn). Upper Saddle River, NJ: Prentice -Hall, New Delhi.
- Dandekar, W. N. and Rajguru .(2001). An Introduction to Psychological Testing and Statistics. Seth Publications Pvt. Ltd. .
- Dandekar, W. N. (1994). Fundamentals of Experimental Psychology. Anmol Prakashan, Pune.
- Husain, Akbar. (Consultant Editor)(2012). Psychological Testing. (1st edn). Dorling Kidersley, (India) Pvt. Ltd.
- Kaplan, R. M.and Saccuzzo, D.P. (2007). Psychological Testing: Principles, Applications and Issues. Australia: Thomson, Wadsworth.
- Singh A.K. (2006). Tests, Measurements, and Research Methods in Behavioural Sciences. Bharati Bhavan

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PSY- 123: Psychology Practical: Tests

OBJECTIVES:

1. To acquaint the students the basic concepts of Tests in Psychology.
2. To acquaint the students how to administer the tests and to understand its practical applications.
3. To introduce the students about basic knowledge of elementary statistics.

Outcomes: Understand and evaluate human abilities through psychological testing.

LIST OF PSYCHOLOGICAL TESTS :(Any Six Tests).

1. Standard Progressive Matrices (SPM)
2. Stanford-Binet Scale.
3. Wechsler Adult Intelligence Scale.
4. General Mental Ability Test (GMAT).
5. Interest Inventory.
6. Neo-FFI / MMPI.
7. Sixteen Personality Factor (16PF).
8. Thematic Apperception Test (TAT).
9. Sentence Completion Test (SCT).
10. Differential Aptitude Test (DAT).
11. Adjustment Inventory.
12. Value Test.

Methods of assessment for Internal exams: Seminars, Viva-voce, Projects, Surveys, Field visits, Tutorials, Assignment, Group Discussion, etc (on approval of the head of the centre)

* Practical Examination will be conducted by respective colleges at the end of the semester.

Books for Reading and references

- Anastasi, A. and Urbina, S. (2005). Psychological Testing (7th edn). Upper Saddle River, NJ: Prentice -Hall, New Delhi.
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- Dandekar, W. N. (1994). Fundamentals of Experimental Psychology. Anmol Prakashan, Pune.
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- Kaplan, R. M.and Saccuzzo, D.P. (2007). Psychological Testing: Principles, Applications and Issues. Australia: Thomson, Wadsworth.
- Singh A.K. (2006). Tests, Measurements, and Research Methods in Behavioural Sciences. Bharati Bhavan