

NATIONAL UNIVERSITY



Third Year Syllabus Department of Psychology

Four Year B.Sc Honours Course
Effective from the Session : 2013–2014

National University
Subject: Psychology
Syllabus for Four Year B.Sc Honours Course
Effective from the Session: 2013-2014

THIRD YEAR

Paper Code	Paper Title	Marks	Credits
233401	History of Psychology	100	4
233403	Developmental Psychology-II	100	4
233405	Statistics in Psychology-II	100	4
233407	Social Psychology	100	4
233409	Physiological Psychology	100	4
233411	Research Methodology	100	4
233413	Abnormal Psychology	100	4
233414	Practical Test: (Marks Distribution)	100	4
	Laboratory Note Book - 20		
	Conduction - 20		
	Report/Script - 35		
	Viva - 25		
	Total =	800	32

Detailed Syllabus

Paper Code	233401	Marks: 100	Credits: 4	Class Hours: 60 hrs.
Paper Title:	History of Psychology			

- 1. Introduction**
 - 1.1 Ancient ideas and thoughts
 - 1.2 Aristotle's views
 - 1.3 Darwin's theory of Evolution
- 2. Schools of Psychology**
 - 2.1 Structuralism
 - 2.2 Functionalism
 - 2.3 Associationism
 - 2.4 Behaviorism
 - 2.5 Psychoanalysis
 - 2.6 Gestalt Psychology
 - 2.7 Humanistic Existential Psychology
 - 2.8 Cognitive Psychology
- 3. Psychology Today**
 - 3.1 Recent Trends in psychology

References:

1. Boring E.G (1957). A History of experimental Psychology. Appleton Century Cofts. Inc. New York.
2. Flugel J.G (). Hundred Years of Psychology, Gerald Dueworth Co. Ltd. London.
3. Hergenhahn. B.R (1986). An Introduction to the History of Psychology London. Roulledge
4. খালেদ আ. ও আহমেদ, এ ইউ (সম্পাদিত) (১৯৯০) মন ও মনোবিজ্ঞান, ইউনিভার্সিটি প্রেস লি: ৫
5. Missiak H Sexon V.s (1966), History of Psychology an overview crune and stratton, New York.
6. Murphy G (1972) Historical Introduction to modern Psychology, Routledge.
সরকার নীর, হক ক: খালেদ আ (১৯৯২) মনোবিজ্ঞানের ইতিহাস ও মতবাদ, ঢাকা বুক কর্পোরেশন।
7. Woodworth R S & Sheehan M R (1966), Contemporary Schools of Psychology, The Ronald Press Company, New York.

Paper Code	233403	Marks: 100	Credits: 4	Class Hours: 60 hrs.
Paper Title:	Developmental Psychology-II			

- 1. Introduction**
 - 1.1 Period of Adulthood
 - 1.2 Meaning of Age
 - 1.3 Influence on the Paper of Adult Development and aging

- 1.4 Stages of Adult Development
- 1.5 History of Adult
- 2. Early Adulthood**
 - 2.1 Developmental Tasks
 - 2.1.1 Marriage
 - 2.1.2 Marital adjustment
 - 2.1.3 Divorce
 - 2.1.4 Widowhood
 - 2.1.5 Remarriage
 - 2.1.6 Parenting
 - 2.2 The world of work
 - 2.2.1 Occupational interests
 - 2.2.2 Occupational rewards and influence
 - 2.2.3 Job satisfaction
 - 2.3 Personality Development
- 3. Middle Adulthood/Middle Age**
 - 3.1 Characteristics of Middle age
 - 3.2 Developmental Tasks
 - 3.3 Physical Change
 - 3.4 Menopause and its effect on personality
 - 3.5 Grand Parenting : Adjustment to changed family situation
 - 3.6 Work and generativist
- 4. Late Adulthood/Aging**
 - 4.1 Characteristics
 - 4.2 Developmental Task
 - 4.3 Physical Changes
 - 4.3.1 Sensory capacities : Vision & Hearing
 - 4.4 Dependency
 - 4.4.1 Financial Dependency
 - 4.4.2 Physical Dependency
 - 4.4.3 Emotional Dependency
 - 4.5 Adjustment with death and bereavement
 - 4.5.1 Facing death
 - 4.5.2 The Process of dying
 - 4.5.3 The Survivors : bereavement and grief

Books Recommended:

1. Aiken, L.R (1988) : Human Development in Adulthood; Plenum Press
2. বানু, সুলতানা (১৯৯৭), বিকাশ মনোবিজ্ঞান (২য় খণ্ড) বাংলা একাডেমি, ঢাকা।
3. Cavanaugh, J.C (2002) Adult Development and aging Wardsworth Press
4. Hurlock, D.B (1987). Developmental Psychology. McGraw Hill Book Co; New York.
5. হক, মোঃ আমিনুল (২০০৮): বিকাশ মনোবিজ্ঞান। হাসান বুক হাউস, ঢাকা।
6. Kennedy, E.C (1978) Human Development. Macmillan Publishing co.inc.
7. Kimmel, C.D (1990) Adulthood and aging, John wiley and sons; New York
8. Moody, H.R (1993); Aging Pineforge Press.

9. Neugartan, B.L (1968): Middleage and aging : A Reader in social psychology : the University of Chicago Press.
10. Scaic, K.W and Geiwitz, J (1982) Adult Development and aging. Little Brown & Co (Inc)
11. সুলতানা , কাজী আফিফা (২০০১) বিকাশ মনোবিজ্ঞান, পজিট্রন পাবলিকেশন, ঢাকা।

Paper Code	233405	Marks: 100	Credits: 4	Class Hours: 60 hrs.
Paper Title:	Statistics in Psychology-II			

1. Elementary concepts; data and their types – Qualitative vs Quantitative data; Primary vs Secondary data; Nominal, Ordinal, Interval and Ratio data. Continuous and Discrete Variables.
2. Normal Curve: Normal curve Defined, Properties of Normal Curve, Concept of Probability, Addition and Multiplication Law of Probabilities. Application and Interpretation of Normal Probability Curve.
3. Test of Hypotheses: Meaning and Steps in testing Hypothesis, some basic concepts – Null Hypothesis, level of significance, Degrees of Freedom, Type-1 and Type –II Errors, One-Tailed and Two-Tailed Test.
4. Test of Significance : Test of significance of Means, Proportions, Variances, and Correlation co-efficients,
5. Parametric Tests: Meaning, Charactriestics of Parametic test, t-test for two independent samples, t-test for Matched or correlated Samples, One-way and Two-way analysis of Variance.
6. Non-Parametric tsts: Meaning, Advantages of Non-Parametric test. χ^2 test of Independence, χ^2 test of Goodness of Fit, Signtest, Mann-whiteney U-test, Kruskal-wallis One-way Analysis of Variance, Friedman Two-way Analysis of Variance.
7. Estimate & Estimator: Meaning, Type of Estimate, Point and Interval Estimate, Properties of Estimate.

Suggested Readings:

1. Garrett, H.E .,: Statistics in psychology and Education: Vakils Ferrer and Simons Private Ltd. Bombay.
2. Hays. W.L. : Statistics for Social Science: Holt Rinehart and Winston. N.Y.
3. Lindley D.V. : Introduction to Probability and Statistics: C.U.P. London.

4. Stilson D.W.: Probability and Statistics I Psychology Research and Theory : Holder Day. San Francisco.
5. Wolf. F.L. : Elements of Probability and statistics: McGraw Hill. N.Y.
6. Bhattacharyye. G.K. & Jhonson. R.A (1977). Statistical Conceopts and Methodsd. New York: John Wiley & Sons.
7. Bland M. (1995). An Introduction to Medical Statistics (2nt Ed.) New York. Oxford University Press. ; Chapter-8
8. Blommers. P. & Lindquist. E.F (1960 hrs.). Elementary Statistic a Methods in Psychology and Education Calcutta: Oxford Book & Sty Co.
9. Dowdy, S. & Takane, Y. (1989). Statistical Analysis in Psychology and Education (6th Ed.) New Yrok; McGraw-Hill Book Co.
10. Garrett, H.E. (1966) Statistics in Psychology and Education (6th Ed.) London; Longmans, Green & Co. Ltd.
11. Glasnapp, D.R. & Poggio, J.P (1985). Essentials of Statistical Analysis for the Behavioral Sciences Columbus; Charles E., Merriall Publishing Co.
12. Giegel. M.R. (1992) Theory and Problems of Statistics (2nd Ed. In ST Units). London; McGraw rill International Ltd.

Paper Code	233407	Marks: 100	Credits: 4	Class Hours: 60 hrs.
Paper Title:	Social Psychology			

1. Introduction:

- 1.1 Definition and fields
- 1.2 Research methods

2. Socialization:

- 2.1 Definition
- 2.2 Socialization Process
- 2.3 Agents and products
- 2.4 Culture and socialization

3. Social Perception:

- 3.1 Process of Perceptual response
- 3.2 Perceptual defense
- 3.3 Person perception

4. Attitude:

- 4.1 Definition
- 4.2 Formation of attitude
- 4.3 Change of attitude
- 4.4 Measures of attitude

5. Group:

- 5.1 Structure and process
- 5.2 Kinds of Group
- 5.3 Method of investigation

6. Communication:

- 6.1 Communication process
- 6.2 Communication and language
- 6.3 Non-Verbal communication
- 6.4 Culture and thinking

7. Interpersonal Attraction:

- 7.1 Classic explanation
- 7.2 Factors of attraction
- 7.3 Measures of attraction

8. Leadership:

- 8.1 Definition
- 8.2 Characteristics
- 8.3 Types
- 8.4 Functions
- 8.5 Effectiveness

9. Mass Communication & Collective Behavior:

- 9.1 Public opinion
- 9.2 Crowding
- 9.3 Rumour
- 9.4 Propaganda
- 9.5 Prejudice
- 9.6 Personal Space

References:

1. বেগম হামিদা আখতার (১৯৯৬), আধুনিক সমাজ মনোবিজ্ঞান; রাফায়েল শাহরিয়ার, ঢাকা।
2. জহিরুল হক, সমাজ মনোবিজ্ঞান, আলো প্রকাশনি, ঢাকা।
3. বেগম শওকত আরা, উচ্চতর সমাজ মনোবিজ্ঞান, ঢাকা।
4. মীর ফখরুজ্জামান, সমাজ মনোবিজ্ঞান, ঢাকা বই বিতান।
5. Krech, D. Crutchfield R.S. and Ballachey E. L (1962)., individual in Society, Mc. Graw Hill Co Ltd., New York.
6. Lindgrew A.C. (1972). Au Introduction to social Psychology, Wiley and Sons., New York.
7. Myers D.G. (1993), Social Psychology, McGraw Hill Inc., Ny
8. Sargent S.S. and Willanson R.C. (1996). Social Psychology, Ronald Press, New York.
9. Second P.F. and Backman C.W. (1974). Social Psychology, McGraw Hill.

Paper Code	233409	Marks: 100	Credits: 4	Class Hours: 60 hrs.
Paper Title:	Physiological Psychology			

1. Introduction:

- 1.1. Definition of Physiological Psychology
- 1.2. Subject-matter of Physiological Psychology
- 1.3. Development and usefulness of Physiological Psychology

- 2. Cell Biology:**
 - 2.1. Introduction to different Types of Cells
 - 2.2. Neuron and its types.
 - 2.3. Structure and function of Neurons
 - 2.4. Synapse and synaptic transmission
- 3. Nervous System:**
 - 3.1 Structure and Function of Human Nervous System
 - 3.2 Central Nervous system, its structure and Function
 - 3.3 Peripheral Nervous system, its structure and function.
- 4. Visual System:**
 - 4.1. Eye
 - 4.2. Physiology of retina
 - 4.3. Central visual System
 - 4.4. Visual perception
 - 4.5. Light and Dark adaptation
- 5. Auditory System:**
 - 5.1. Structure and Function of Human Ear
 - 5.2. Auditory Sensation & Human Sensation
- 6. Endocrine System:**
 - 6.1. Hormones
 - 6.2. Pituitary Gland
 - 6.3. Adrenal gland
 - 6.4. Thyroid gland
 - 6.5. Parathyroid gland
- 7. Neurophysiology of Emotion:**
 - 7.1. Methods of study behavior
 - 7.2. Thalamus and lower centers
 - 7.3. Cerebral cortex
 - 7.4. Limbic system
 - 7.5. Bodily changes in emotion
- 8. Neurophysiology of motivation:**
 - 8.1. Neural Mechanism of Hunger
 - 8.2. Neural mechanism of thirst
 - 8.3. Neural mechanism of sex

Readings:

1. Gessman, S.P. (1967). A Textbook of Physiological Psychology. New York: John Wiley and Sons.
2. Morgan, C.S. & Stiller (1950). Physiological Psychology. McGraw Hill Book Company.
3. Morgan, C.S. Physiological Psychology. McGraw Hill Book Company.

4. Wagner, M.A. & Jones, F.A. (1956). Physiological Psychology. Harper & Row.
5. Ali, M.R. (1972). Electrophysiology and Behavior. Dhaka: Dhaka University

Paper Code	233411	Marks: 100	Credits: 4	Class Hours: 60 hrs.
Paper Title:	Research Methodology			

1. An Introduction: Meaning of Research, Objectives of Research, Significance of Research, Types of Research-Descriptive vs Analytical, Fundamental vs. Applied, Qualitative Vs. Quantitative, Conceptual vs. Empirical Research, Action Research, Exploratory Research, Cross-Cultural Research, Evaluation Research, Steps in Scientific Research.
2. Research Problems: Definition, Need for defining Research Problems, Technique Involved in defining Research Problem, sources of Research Problem, Selection of a Research Problem.
3. Research Design: Meaning, Need for research design, Features of a good design; Types of research design: Non-Experimental Design-Case-II study, Correctational design, Survey; Quasi Experimental Design – Single Group Pretest – Posttest Design, Non-equivalent Control Group Design, Simple Time Series Design, Multiple Time Series Design; Experimental Design: Single Group Design, Between Group Design – Two Randomized Group Design, Two Matched Group Design, Multiple Group Design, Repeated Measurement Design, Factorial Design.
4. Sampling Design: Population and Sample, Census and Sample Survey, Implications of Sample Design, Determining the Sample size, Characteristics of Good Sample Design, Types of sample: Probability Sample – Simple Random Sample, Systematic Sample, Stratified Random Sample, Cluster Sample; Non-Probability Sample – Purposive Sample, Accidental Sample, Quota Sample.
5. Measurement and Scaling Techniques, Measurement in Research, Measurement Scales, Sources of Error in Measurement Test of Sound Measurement. Meaning of Scaling, scale construction Techniques.
6. Methods of Data Collection: Collection of Primary Data – Observation, Interview, Questionnaire, Schedule, case study, Collection of Secondary Data.
7. Interpretation and Report Writing: Meaning of Interpretation, Techniques of Interpretation. Significance of Report Writing, Different Steps in Writing Research Report, Types of Research Report.

8. The Computer: The Computer and its Role in Psychological Research, Computer Technology, The Computer System, Important Characteristics of Computer, Computer application using SPSS.

Suggested Readings:

১. আব্দুল খালেক, সামাজিক বিজ্ঞানে গবেষণা পদ্ধতি; হাসান বুক হাউস, ঢাকা।
২. হাসান ইমাম, সামাজিক বিজ্ঞানে গবেষণা পদ্ধতি; কাফি বিল্লাহ, ঢাকা।
৩. কাজী সাইফুদ্দীন, (২০০৮). পরীক্ষণ মনোবিজ্ঞান ও গবেষণা পদ্ধতি, আবীর পাবলিকেশন্স, বাংলাবাজার, ঢাকা।
৪. কাজী সাইফুদ্দীন, (২০০৯), থিসিস ও গবেষণার রূপরেখা, বিনুক প্রকাশনী, বাংলাবাজার, ঢাকা।
5. Craig, J.R. & Metze, L.P. Methods of Psychological Research; Brooks Cole Publishing co. California.
6. Myers. J.L. Fundamentals of Experimental Design; Allyn Bacon, Boston.
7. Kothari, C.R. Research Methodology;
8. Bhatnagar, O.P. Research Methods and Measurements in Behavioural Science; Arsi Publishing Co. New Delhi.
9. Shaughnessy, J.J. Zechmeister, E.B. and Zechmeister, J.S. (2003) Research Methods in Psychology (6th Ed), New York: McGraw Hil

Paper Code	233413	Marks: 100	Credits: 4	Class Hours: 60 hrs.
Paper Title:	Abnormal Psychology			

1. Introduction:

- 1.1 Concepts of Normality and abnormality
- 1.2 Related fields
 - 1.2.1 Clinical Psychology
 - 1.2.2 Psychology
 - 1.2.3 Psychiatric Social Work
 - 1.2.4 Counseling
- 1.3 Historical Background of Abnormal Psychology
- 1.4 Causes of Abnormal behavior
 - 1.4.1 Biological Causes
 - 1.4.2 Psychological Causes
 - 1.4.3 Socio-Cultural Causes
- 1.5 Psychoanalytic theory of Freud

2. Classification and Diagnosis:

- 2.1 History of Classification
- 2.2 DSM IV

3. Research Methods:

- 3.1 Case Study
- 3.2 Correlation Method
- 3.3 Single-subject experiment
- 3.4 Mixed design

4. Clinical Situation:

- 4.1 Stress and stressors

- 4.2 Coping strategies
- 4.3 Adjustment of disorder
- 4.4 Post traumatic stress disorder (PTSD)

5. Anxiety Based Disorder:

- Generalized anxiety disorder
- Phobic disorders
- Obsessive compulsive disorder

6. Somatoform and dissociative disorder:

- 6.1 Conversion disorder
- 6.2 Hypochondriacs disorder
- 6.3 Dissociative disorder

7. Schizophrenia:

- 7.1. Types and Symptoms
- 7.2. Causal factors
- 7.3. Treatment

8. Personality Disorder:

- 8.1. Clinical Picture
- 8.2. Types
- 8.3. Causal factors
- 8.4. Treatment

9. Psycho-Physiological Disorder:

- 9.1. Hypertension, Asthma, Peptic ulcer
- 9.2. Presentation
- 9.3. Treatment

10. Developmental Disorder:

- 10.1. Mental retardation
- 10.2. Classification
- 10.3. Casual Factors
- 10.4. Prevention, Treatment and Rehabilitation
- 10.5. Autism

Reference:

1. মঞ্জুর আহমেদ (২০০৫), অস্বাভাবিক মনোবিজ্ঞান, জ্ঞানকোষ প্রকাশনী, ঢাকা।
2. নীহার রঞ্জন সরকার (২০০২), অস্বাভাবিক মনোবিজ্ঞান, জ্ঞানকোষ প্রকাশনী, ঢাকা।
3. কাজী সাইফুদ্দীন (২০০৫), অস্বাভাবিক ও চিকিৎসা মনোবিজ্ঞান, আবীর পাবলিকেশন, ঢাকা।
4. Davison, G.C. and Neale, G.M. (1998) Abnormal Psychology: An Experiment Clinical Approach, Joh Wiley and Sons., New York.
5. Nole-Hocksema, S. (2004). Abnormal Psychology, McGraw Hill Inc., Delhi.
6. Sarasar, I.,G. and Sarason, B.R. (2002), Abnormal Psychology, Englewood, USA.
7. Eysenck, H.J. (Ed.). Handbook of Abnormal Psychology, pitman, London.
8. Rosen, E.F.R. and Gregory (1965). Abnormal Psychology, Saunders, Philadelphia.
9. Davison, G.C. and Neale, G.M. (1998). Abnormal Psychology: An Experimental Clinical Approach. John Wiley and Sons, New York.

Paper Code	233414	Marks: 100	Credits: 4	Class Hours: 60 hrs.
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Paper Title:	Practical (Test)
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Any Six of the Following:

1. To study personality by means of Bell Adjustment Inventory.
2. To study value system of the subject by Allport-Vernon-Lindzey study of values.
3. To study skill by Crawford Small Parts Dexterity Test (CSPDT).
4. To study basic concept of the child by Boehm Test of Basic Concept (BTBC).
5. To measure intelligence by means of Otis Self Administering test of Mental Ability.
6. To measure Intelligence by Wechsler Intelligence Scale for Children (WISC).
7. To Measure the intelligence by administering Alexander Pass-along Test.
8. To measure the Scholastic Aptitude by administering Verbal and Numerical sub-tests of Differential Aptitude Test.

Marks Distribution:

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| a. | Laboratory Note book | 20 |
| b. | Test: | |
| | i) Administration | 20 |
| | ii) Report | 35 |
| c. | Viva | 25 |

Total = 100