

# UNIVERSITY OF DHAKA



Syllabus of Four-Year Bachelor of Science  
(BS) Honors Program for the Department  
of Psychology of the Affiliated Colleges  
for the Sessions 2017-2018 and Onwards

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**Syllabus Committee:**

Convenor : Prof. Dr . Md. Kamal Uddin

Members:

1. Prof. Dr.Mahfuza Khanam
2. Prof. Masuda Begum
3. Prof. Irin Ferdous
4. Dr. Aesha Sultana

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*The Credit Distribution of Courses of Four-Year Bachelor of Science (BS) Program in the Department of Psychology of the Affiliated Colleges at the University of Dhaka for the Sessions 2017-2018 and Onwards*

<b>Year</b>	<b>Courses</b>	<b>Marks</b>	<b>Credits</b>
1 <sup>st</sup> Year	Departmental Courses	450	18
	Extra Departmental Courses	200	8
<b>Total</b>		<b>650</b>	<b>26</b>
2 <sup>nd</sup> Year	Departmental Courses	550	22
	Extra Departmental Courses	200	8
<b>Total</b>		<b>750</b>	<b>30</b>
3 <sup>rd</sup> Year	Departmental Courses	<b>850</b>	<b>34</b>
4 <sup>th</sup> Year	Departmental Courses	<b>950</b>	<b>38</b>
<b>Grand Total</b>		<b>3200</b>	<b>128</b>

## First Year

Course Code	Course Title	Marks	Credits
PSY 101	Introduction to Psychology	100	4
PSY 102	Statistics in Psychology I	100	4
PSY 103	Experimental Psychology	100	4
PSY 104*	History of the Emergence of Independent Bangladesh	100	4
PSY 105*	Introduction to Sociology	100	4
PSY 106**	Practical	100	4
	Viva Voce	50	2
	<b>Total</b>	<b>650</b>	<b>26</b>

\*Extra Departmental Course \*\*Experimentation

## Second Year

Course Code	Course Title	Marks	Credits
PSY 201	Developmental Psychology I	100	4
PSY 202	Statistics in Psychology II	100	4
PSY 203	Psychological Testing	100	4
PSY 204	Social Psychology	100	4
PSY 205*	Data Analysis & Computers	100	4
PSY 206*	Social Work	100	4
PSY 207**	Practical	100	4
	Viva Voce	50	2
	<b>Total</b>	<b>750</b>	<b>30</b>

\*Extra Departmental Course\*\*Experimentation

### Third Year

Course Code	Course Title	Marks	Credits
PSY 301	Developmental Psychology II	100	4
PSY 302	Health Psychology	100	4
PSY 303	Abnormal Psychology	100	4
PSY 304	Psychology of Perception	100	4
PSY 305	Industrial Psychology	100	4
PSY 306	Research Methodology	100	4
PSY 307	Biopsychology	100	4
PSY 308*	Practical	100	4
	Viva Voce	50	2
	<b>Total</b>	<b>850</b>	<b>34</b>

\*Testing

### Fourth Year

Course Code	Course Title	Marks	Credits
PSY 401	Positive Psychology	100	4
PSY 402	Personality Psychology	100	4
PSY 403	Theories of Learning	100	4
PSY 404	History and Systems in Psychology	100	4
PSY 405	Organizational Psychology	100	4
PSY 406	Counseling Psychology	100	4
PSY 407	Educational Psychology	100	4
PSY 408	Cognitive Psychology	100	4
PSY 409*	Practical	100	4
	Viva Voce	50	2
	<b>Total</b>	<b>950</b>	<b>38</b>

\*Research Project

# First Year BS Honors

## PSY 101: Introduction to Psychology

### 4 Credits

#### 1. Introduction

Definition and nature of Psychology, Psychology as a science; Approaches to the study of Psychology: Neurobiological approach, Behavioral approach, Cognitive approach, Psychoanalytic approach, Humanistic approach; The subfields of Psychology: Experimental and Physiological Psychology, Clinical and Counseling Psychology, Industrial, Personnel and Engineering Psychology, School and Educational Psychology, Social Psychology, Developmental Psychology, Personality Psychology; The Methods of Psychology : Experimental method, Observational method, Archival Research, Case history, Survey method

#### 2. Biological Bases of Behavior

Cells, tissues, organs and systems of the body, Basic units of nervous system: Neurons, Structure and Connectors, Transmission of neural impulses; The Major Divisions of Nervous system : The central nervous system, Brain and spinal cord, The peripheral nervous system-Somatic and Autonomic system; Glands : Exocrine and Endocrine glands; Genetic influences of behavior

#### 3. Sensory Processes

What is Sensation? Measuring sensory experience- absolute, differential, and terminal thresholds; Visual Auditory and other senses

#### 4. Perception

The nature of perception, Selectivity in perception: Selective attention, Determiners of stimulus selection; Form perception: Figure and ground, Contour perceptual organization, Perceptual constancy-Size and Brightness constancy; Depth perception- Monocular and Binocular cues to depth perception

#### 5. Learning

Definition of learning, Classical conditioning, Operant conditioning, Cognitive mapping: Latent learning, Insight Learning; Principles of reinforcement: Primary and secondary variables influencing reinforcement, Schedules of reinforcement, Variables influencing reinforcement

#### 6. Memory and Forgetting

Defining memory, Types of Memory: Sensory memory, Short-term memory, Long term memory; Improving Memory, The Physiology of memory, Why we forget?: Interferences, Decay, Repression, Cognitive, discrepancy?: Retrieval failure Amnesia

#### 7. Language, Thinking and Problem Solving

The structure and rules of language, How language is learned, Language and Concepts, The thinking process, Problem solving

#### 8. Motivation

Defining motivation, Theories of motivation: Instinct theory, Drive theory, Arousal theory, Opponent process theory, Incentive theory, Cognitive theory, Maslow's Hierarchy theory of motivation; Classification of Motives: Biological Motives, Activity and stimulation needs, Social motives, Motivation and Behavior

#### 9. Emotion

Defining emotion, Theories of emotion: Physiological, Psychoanalytic and Cognitive theories of emotion; Physiological correlates of emotion, The brain and emotions, Primary emotions; James-Lange theory of perception: Cannon-Bard theory of Perception; Schachter-Singer theory of Perception

### **10. Personality**

Defining Personality, Determinants of personality, Approaches to Personality: Freud and Neo-Freudians, Allport- Identifying Basic Characteristics, Cattle & Eysenk: Factoring out Personality; Are we born with Personality? The Uniqueness of You, Measuring Personality

### **11. Intelligence and Creativity**

Definition of intelligence, Measurement of intelligence, Representative Intelligence tests, Creativity and Intelligence

### *Readings*

- Crider, A.B., Goethals, G.R. & Robert D. Karanaugh R.D. Solomon, P.R. Psychology Scott, Foresman(1993). *Psychology* (4th ed.) New York: Harper Collins college publishers.
- Feldman, R. S. (2002). *Understanding Psychology* (6<sup>th</sup> ed.). New York: McGraw Hill Hisher education.
- Huffman, K. (2004). *Psychology in Action* (7<sup>th</sup> ed.) U.S.A.: John Wiley and Sons, Inc.
- Morgan, C.T. and King. RA Wisz. J.R. & Shoopier. C. (1966), *Introduction to Psychology*. New York. McGraw Hill, Latest ed.
- Munn, N.L. (1969), *Psychology: The Fundamental of Human Adjustment George G. Harrap and Co. Ltd.* 1966. Latest ed.
- Newman, P.R. & Newman, B.M. (1983), *Principles of Psychology: Illionois Homewood: Homewood :* The Dorsey Press, Latest ed.

## **PSY 102: Statistics in Psychology I**

### **4 Credits**

#### **1. Introduction**

Nature and scope of statistics, Why statistics in psychology, The idea of quantification, Scales of measurement, Nature of psychological research, Types of statistics

#### **2. Symbolic Representation of Data**

Advantages of symbol in mathematics, Conventional rules for symbolic representation of data, The summation notation

#### **3. Frequency Distribution**

Grouping of data, Choosing class intervals, Apparent and true limits of class intervals, Frequency and cumulative frequency distributions, Graphic representation of data, Histogram, frequency polygon and cumulative frequency polygon

#### **4. Measures of Central Tendency**

What is central tendency? Computing mean, median, and mode, Properties and uses of the three measure of central tendency, When to apply mean, median and mode

#### **5. Measures of Variability**

Need to measure variability, Range, Inter-quartile range, Semi-interquartile range, Mean deviation, The variance, standard deviation and coefficient of variation.

#### **6. Measures of Skewness and Kurtosis**

Moments about the mean, Positive and Negative Skewness, Leptokurtic, Mesokurtic, and Platykurtic Distribution.

#### **7. Correlation**



Positive versus Negative correlation, Linear versus Non-linear correlation, Low, Moderate, Strong, and Perfect correlation, The Scatter Diagram, Bivariate correlation: Pearson product-moment correlation, Spearman rank-order correlation, Kendall's rank-order correlation,

### **8. Regression**

Some important information about straight lines, The method of least squares, Assessing the goodness of fit: sum of squares,  $R$  and  $R^2$ ; Assessing individual predictors, Types of regressions

### **9. Score Transformations**

The need for transformed/derived scores, Types of transformations: Linear transformation-  $z$  and  $T$  scores, Non-linear transformation – Percentile Points and Percentile Ranks,

### *Readings*

Blommers, P. & Lindquist, E. F. (1960). *Elementary Statistical Methods in Psychology and Education*. New Delhi: Book Company.

Elifson, K. W., Runyon, R. P. & Haber, A. (1998). *Fundamentals of Social Statistics*. Boston: McGraw Hill.

Ferguson, G. A. & Takane, Y. (1989). *Statistical Analysis in Psychology and Education*. NY: McGraw Hill Book Company

Garrett, H. E. & Woodworth, R. S. (1981). *Statistics in Psychology and Education*. London: Longmans, Green and Company.

Guilford, J. P. (1979). *Fundamental Statistics in Psychology and Education*. NY: McGraw Hill.

Minium, E. W., King, B. M., & Bear, G. (2004). *Statistical Reasoning in Psychology and Education*. Singapore: John Wiley & Sons, Inc.

## **PSY 103: Experimental Psychology**

### **4 Credits**

#### **1. The Scientific Method and Psychology**

Science and commonsense, Goals or objective of science, Rules of Sciences, Scientific method and its characteristics, Classification of science, Psychology as science, Experimental methods as scientific method, Scope of experimental Psychology

#### **2. Designing and Conducting Experiment**

Nature of experiment, Types of experiment, Steps in planning an experiment, Conducting an experiment: An example with psychological variables

#### **3. Research Problem**

Nature of Research Problem, Sources of a Research Problem, Selection of a Research Problem

#### **4. Hypothesis**

The nature and definition of hypothesis, Stating hypothesis, types of statement, Importance or functions of hypothesis, Criteria of hypothesis, Accident, serendipity and hypothesis

#### **5. Variables**

Nature and types of variables, Independent, dependent, and intervening variables, Types of relationships between different variables studied in psychology, Measures of dependent variables, Nature and meaning of control; control of IV and extraneous variables, Determining extraneous variables, Techniques of control, The experimenter as an extraneous variable, Placebo effect, single blind and double blind technique;

#### **6. Experimental Designs**

Importance of design in research, Basis of selecting a design, Two randomized group and independent group design, Multiple group design, Two matched groups design, Factorial design, Repeated measurement design, Co-relational design

### **7. Quasi-Experimental Design**

Nature and use of quasi-experimental design, One-group pretest-post test design, Non equivalent companion group designs, Interrupted time series designs

### **8. Psychophysical Methods**

Basic concepts of psychophysics, Historical background of psychophysics, Founders of psychophysics-Weber and Fechner laws, Method of limit, Method of constant stimuli, Method of average error.

### **9. Writing Experimental Reports**

### **10. Ethics of Experimental Research**

#### *Readings*

Anderson, B. F. (1969). *The Psychology of Experiment: A Introduction to Science Method. Belmont California.* Books/Cole publishing company.

Andreas B. G (1967). *Experimental Psychology.* New York: John Wiley and Sons Inc.

Brown. C.W. and Ghiselli. E.E. (1955). *Scientific Methods in Psychology* New York : McGraw Hill

Cozby. P. C. (1985). *Methods in Behavior Research.* Palo Alto and London: Mayfield publishing Company.

McGuigan, F. J. (1993). *Experimental Psychology: Methods of Research* (6<sup>th</sup> ed.). New Jersey: Prentice Hall.

Morgan, C. L. King, R.A. Weisz. J. R. & Schopler, J (1989.). *Introduction to Psychology,* New York: McGraw Hill.

Osgood G.F. (1994). *Method and Theory in Experimental Psychology A case approach* (5<sup>th</sup> ed.). Harper Collins College, publishers.

## **PSY 104: History of the Emergence of Independent Bangladesh**

### **4 Credits**

**Introduction:** Scope and description of the emergence of Independent Bangladesh.

#### **1. Description of the country and its people.**

- a. Geographical features and their influence.
- b. Ethnic composition.
- c. Language.
- d. Cultural syncretism and religious tolerance.
- e. Distinctive identity of Bangladesh in the context of undivided Bangladesh.

#### **2. Proposal for undivided sovereign Bengal and the partition of the Sub Continent, 1947.**

- a. Rise of communalism under the colonial rule,
- b. Lahore Resolution 1940.
- c. The proposal of Suhrawardi and Sarat Bose for undivided Bengal : consequences
- d. The creation of Pakistan 1947.

### **3. Pakistan: Structure of the state and disparity.**

- a. Central and provincial structure.
- b. Influence of Military and Civil bureaucracy.
- c. Economic, social and cultural disparity

### **4. Language Movement and quest for Bengali identity**

- a. Misrule by Muslim League and Struggle for democratic politics.
- b. Foundation of Awami league, 1949
- c. The Language Movement: context and phases.
- d. United front of Haque – Vasani – Suhrawardi: election of 1954, consequences.

### **5. Military rule: the regimes of Ayub Khan and Yahia Khan (1958-1971)**

- a. Definition of military rules and its characteristics.
- b. Ayub Khan's rise to power and characteristics of his rule (Political repression, Basic democracy, Islamisation)
- c. Fall of Ayub Khan and Yahia Khan's rule (Abolition of one unit, universal suffrage, the Legal Framework Order)

### **6. Rise of nationalism and the Movement for self determination.**

- a. Resistance against cultural aggression and resurgence of Bengali culture.
- b. The six point movement of Sheikh Mujibur Rahman
- c. Reactions; Importance and significance of the six Point movement.
- d. The Agortola Case 1968.

### **7. The mass-upsurge of 1969 and 11 point movement:**

- a. background
- b. programme significance and consequences.

### **8. Election of 1970 Non-cooperation movement of March 1971 and the Declaration of Independence by Bangobondhu**

- a. Election result and centres refusal to comply
- b. The non co-operation movement, the 7<sup>th</sup> March Address of Bangobondhu, Operation Searchlight
- c. Declaration of Independence by Bangobondhu and his arrest

### **9. The war of Liberation 1971**

- a. Genocide, repression of women, refugees
- b. Formation of Bangladesh government and proclamation of Independence
- c. The spontaneous early resistance and subsequent organized resistance (Mukti Fouz, Mukti Bahini, guerillas and the frontal warfare)
- d. Publicity Campaign in the war of Liberation (Shadhin Bangla Betar Kendra, the Campaigns abroad and formation of public opinion)
- e. Contribution of students, women and the masses (Peoples war)
- f. The role of super powers and the Muslim states in the Liberation war.

- g. The Anti-liberation activities of the occupation army, the Peace Committee, Al-Badar, Al-Shams, Rajakars, pro Pakistan political parties and Pakistani Collaborators, killing of the intellectuals.
- h. Trial of Bangabondhu and reaction of the World Community.
- i. The contribution of India in the Liberation War
- j. Formation of joint command and the Victory
- k. The overall contribution of Bangabondhu and his leadership in the Independence struggle.

#### 10. The Bangabondhu Regime 1972-1975

- a. Homecoming
- b. Making of the constitution
- c. Reconstruction of the war ravaged country
- d. The murder of Bangabondhu and his family and the ideological turn-around.

#### Readings:

১. নীহার রঞ্জন রায়, *বাঙালীর ইতিহাস, দে' জ পাবলিশিং, কলকাতা ১৪০২ সাল।*
২. সালাহ উদ্দিন আহমেদ ও অন্যান্য (সম্পাদিত), *বাংলাদেশের মুক্তি সংগ্রামের ইতিহাস ১৯৪৭-১৯৭১*, আগামী প্রকাশনী, ঢাকা ২০০২।
৩. সিরাজুল ইসলাম (সম্পাদিত), *বাংলাদেশের ইতিহাস ১৭০৪-১৯৭১*, ৩ খন্ড, এশিয়াটিক সোসাইটি অব বাংলাদেশ, ঢাকা ১৯৯২।
৪. ড. হারুন-অর-রশিদ, *বাংলাদেশ: রাজনীতি, সরকার ও শাসনতান্ত্রিক উন্নয়ন ১৭৫৭-২০০০*, নিউ এজ পাবলিকেশন্স, ঢাকা ২০০১।
৫. ড. হারুন-অর-রশিদ, *বাঙালির রাষ্ট্রচিন্তা ও স্বাধীন বাংলাদেশের অভ্যুদয়*, আগামী প্রকাশনী, ঢাকা ২০০৩।
৬. ড. হারুন-অর-রশিদ, *বঙ্গবন্ধুর অসমাপ্ত আত্মজীবনী পুনর্পাঠ*, দি ইউনিভার্সিটি প্রেস লিমিটেড, ঢাকা ২০১৩।
৭. ড. আতফুল হাই শিবলী ও ড.মোঃ মাহবুবুর রহমান, *বাংলাদেশের সাংবিধানিক ইতিহাস ১৭৭৩-১৯৭২*, সুবর্ণ প্রকাশন, ঢাকা ২০১৩।
৮. মুনতাসির মামুন ও জয়ন্ত কুমার রায়, *বাংলাদেশের সিভিল সমাজ প্রতিষ্ঠার সংগ্রাম*, অবসর, ঢাকা ২০০৬।
৯. আতিউর রহমান, *অসহযোগ আন্দোলনের দিনগুলি: মুক্তিযুদ্ধের প্রস্তুতি পর্ব*, সাহিত্য প্রকাশ, ঢাকা ১৯৯৮।
১০. ড. মোঃ মাহবুবুর রহমান, *বাংলাদেশের ইতিহাস, ১৯০৫-৪৭*, তাম্রলিপি, ঢাকা ২০১১।
১১. ড. মোঃ মাহবুবুর রহমান, *বাংলাদেশের ইতিহাস, ১৯৪৭-১৯৭১*, সময় প্রকাশন, ঢাকা ২০১২।
১২. সৈয়দ আনোয়ার হোসেন, *বাংলাদেশের স্বাধীনতা যুদ্ধে পরাশক্তির ভূমিকা*, ডানা প্রকাশনী, ঢাকা ১৯৮২।
১৩. আবুল মাল আবদুল মুহিত, *বাংলাদেশ: জাতিরাত্ত্বের উদ্ভব*, সাহিত্য প্রকাশ, ঢাকা ২০০০।
১৪. শেখ মুজিবুর রহমান, *অসমাপ্ত আত্মজীবনী*, দি ইউনিভার্সিটি প্রেস লিমিটেড, ঢাকা ২০১২।
১৫. সিরাজ উদ্দীন আহমেদ, *একাত্তরের মুক্তিযুদ্ধ: স্বাধীন বাংলাদেশের অভ্যুদয়*, ইসলামিক ফাউন্ডেশন, ঢাকা ২০১১।
১৬. জয়ন্ত কুমার রায়, *বাংলাদেশের রাজনৈতিক ইতিহাস*, সুবর্ণ প্রকাশন, ঢাকা ২০১০।

**PSY 105: Introduction to Sociology**  
**4 Credits**

**1. Introduction to Sociology**

Studying Sociology, Socio-cultural contest of the emergence of Sociology, Sociological perspective, Four theoretical issues of Sociology

**2. Families and Intimate Relationship**

Types of Family, Types of marriage, The development of family life, Changes in family patterns worldwide, Factors for changes in family patterns, Intimate violence, Divorce and separation, Transformations of intimacy and post modernity

**3. Power**

Conceptualizing power, Political system, Global spread of democracy and Religion, Global governance, Terrorism

**4. Stratification and Class**

Systems of Stratification, Theories of class and stratification, Measuring class

**5. Poverty**

Defining Poverty, Measuring Poverty, Characteristics of poor, Causes of Poverty

**6. Crime and Deviance**

Basic concepts, Theories of crime, Types of crime, Patterns of crime in Bangladesh

**7. Introduction to Anthropology**

Meaning and definition of Anthropology, Branches of Anthropology, Methods used in Anthropological Study, Scope of Anthropology in Bangladesh

**8. Culture as a Core of Anthropology**

Meaning of culture, Different viewpoints of culture, Different characteristics of culture, Evolution of culture

**9. Elements of Culture**

Family marriage and kinship, Economics, Politics, Social differentiations

**10. Religion**

Theories of religion, Beliefs and rituals, Varieties of religion, Religion and social change

**11. Anthropology and Complex Society**

*Readings*

Anthony, G. (2006). *Sociology* 5<sup>th</sup> ed. London: The Polity Press.

Evans-Peritchard, E. E. (1992). *Social Anthropology*. New Delhi: University Book Press Ltd.

Lewis, I. M. (1973). *Introduction to Social Anthropology*. Oxford: Oxford University Press.

**PSY 106: Practical  
4 Credits**

**[Any 6 of the 10 following experiments to be conducted]**

1. Estimation of time under filled and unfilled conditions.
2. Effect of feedback on sensory motor performance.
3. Effect of prior knowledge mobilization on free recall.
4. Measurement of Muller-Lyer illusion by the method of average error.
5. Bilateral transfer of training.
6. Effect of organization on verbal learning.
7. Effect of retroactive interference on paired associates.
8. Effect of stimulus orientation on visual short term memory.
9. Effect of central executive load on phonological capacity.
10. Relevance of irrelevant objects in the construction of visual memory for location.

*Readings*

- Baddeley, A. D. (1986). *Working memory*. Oxford: Oxford University Press.
- Baddeley, A. D. (2000). The episodic buffer: A new component of working memory? *Trends in Cognitive Science* 4, 417–423.
- Baddeley, A. D., Gathercole, S.E., & Papagno, C. (1998). The phonological loop as a language learning device. *Psychological Review*, 105, 158–173.
- Ebbinghaus, H. (1985). *Memory: A Contribution to Experimental Psychology*. New York: Columbia University
- Gathercole, S. E. (1995). The assessment of phonological memory skills in preschool children. *British Journal of Educational Psychology*, 65, 155–164.
- Gathercole, S. E. (1999). Cognitive approaches to the development of short-term memory. *Trends in Cognitive Science*, 3, 410–418.
- Hull, G. L. (1933). *The Meaningfulness of 320 selected Nonsense Syllables*. *Amer J. Psy* 45, 730-734.
- Miller, G., & Selfridge, J. (1950). Verbal context and the recall of meaningful material. *American Journal of Psychology*, 63, 176–187.
- Tulving, E. (1972). *Episodic and Semantic Memory*. In E. Tulving and W. Donaldson (Eds) *Organization of Memory*. New York: Academic Press.

# Second Year BS Honors

## PSY 201: Developmental Psychology I

### 4 Credit Hours

#### 1. Field of Developmental Psychology

Definition of Developmental Psychology, Divisions of the life cycle, Patterns of Development, Goals of Developmental Psychology, Practical Application of Developmental Psychology

#### 2. Developmental Determinants

Biological and Environmental Determinants

#### 3. Research Methods in Developmental Psychology

Baby Biographies, Case Study Method, Psychological Ecology, Time Sampling, Questionnaires, Interview Method, Twin Studies, Longitudinal Method, Cross-Sectional Method

#### 4. Theories of Child Development

Psychoanalytical theory of personality development, Eriksson's theory of personality development, Piaget's theory of cognitive development

#### 5. Prenatal Development

How life begins, Three stages of pre-natal development, Factors influencing prenatal development: Maternal and Environmental Factors

#### 6. Birth

The birth processes and birth complications

#### 7. Neonate

Physical appearance and assessment, Physiological functioning, Sensory capacities, Behavioral capacities

#### 8. Infancy and Childhood

8.1 Physical Development: Body growth

8.2 Motor Development: The Sequence of motor development, Milestones: Gross motor development, Fine motor development; Delayed motor development, Handedness, Play, Types of play, Importance of play

8.3 Language Development: Pre-linguistic development, Component of Language: Phonological, Morphological, Semantical, Syntactical, Pragmatical; Speech disorder.

8.4 Emotional Development: Factors influencing emotional development, Basic emotions

8.5 Social Development: Processes in social development, Family influences, Societal influence

8.6 Moral Development: Piaget's theory, Kohlberg's theory, Role of Reward and Punishment

#### 9. Adolescence

9.1 Physical Changes in Adolescence, Stage of Puberty, Growth spurt in height and weight, Changes in Proportion and shape, Functional Maturity, Hormonal Controls, Primary Sex Characteristics, Secondary Sex Characteristics, Early versus Late Maturers, Psychological Effects of Physical Changes, Developmental Tasks of Adolescence

9.2 Adolescent Sexuality: Cultural Influences on Sexuality, Sexual Attitudes, Sexual Behavior

9.3 Adolescence Social Relationship: Family-Peer Relationships

9.4 Vocational Choice :Factors Influencing Vocation Choice: Personal and Social Factors

9.5 Problems in Adolescence: Juvenile delinquency, Drug abuse, School dropout, Suicide

## Readings

- Alison Clarke - Stewart, Susan Friedman and Joanne Coch. (1985). *Child Development: A Topical Approach* John Wiley & Sons.
- Ambron. J. R., & Brodzinsky, D. (1979). *Life span Human Developmental* Holt, Rinehart & Winston .
- Hetherington, E.M. & Park R.D. *Child Psychology A Contemporary Viewpoint*, New York: McGraw Hill Books Co.
- Hurlock, E.B. (1978), *Child Development* McGraw-Hill Book co.
- Hurlock, E.B. (1980), *Developmental Psychology*. McGraw Hill Book Co.
- Johnson R,C, & Medinnus G,R, *Child Psychology: Behavior and Development*. John Wiley & Sons.
- Mair, H,W, *Three Theories of Child Development* Harper and Row.
- Mussen, P.H.m Conger, J.J. and Kagan, J. (5<sup>th</sup> Education), *Child Development and Personality*.
- Sarafino E.P. & Armstrong, J.W. (1880). *Child and Adolescent Development*. Scott. Foresman and Company .
- Tomlinson - Keasy C. (1985). *Child Development* . The Dorsey Press. Homewood, Illinois.
- Watson R. I Lindgren H.C. (1983). *The Psychology of the Child*. John Wiley & Sons.

## PSY 202: Statistics in Psychology II 4 Credits

### 1. Probability and Binomial Distribution

Set and Subset, Nature of Probability, Types of Probability, Rules of Probability, Permutations and Combinations, Binomial Distribution, Properties of the Binomial Distribution

### 2. Normal Curve

Functions and Frequency Curves, Properties of the Normal Curve, Areas under the Normal Curve

### 3. Sampling

Population and Sample, Determination of Sample Size, Census and sample survey, Sampling techniques, Sampling Error and Bias, Sampling Distribution and Central Limit Theorem

### 4. Basic Concepts of Statistical Inference

Inference and Hypothesis, Steps in testing a hypothesis, Null hypothesis, Level of significance, Critical region, Degrees of freedom, One-tailed and two-tailed tests, Type I and Type II errors, Power and effect size

### 5. Estimation

Point and Interval estimation

### 6. Hypothesis Testing

Tests of significance for a single mean, Tests of significance of the difference between means for two independent samples, Tests of significance of the difference between means for two correlated samples, Tests of significance of the difference between two independent proportions, Tests of significance of the difference between two correlated proportions, Tests of significance of the difference between variances for two independent samples, Tests of significance of the difference between variances for two correlated samples, Tests of significance of a correlation coefficient

### 7. Parametric and Non-parametric Tests

Assumptions of parametric tests, Assumptions of non-parametric tests, Choosing a suitable statistical test

### 8. Nonparametric Tests



Chi-Square distribution and  $\chi^2$ -test, Goodness of fit test,  $\chi^2$  test of independence, Yates's correction, Contingency test; Maan-Whietney U-test, Kruskal-Walles one-way Analysis of Variance, Friedman Two-Way Analysis of Variance

### 9. Analysis of Variance (ANOVA)

Theory behind ANOVA, ANOVA as regression, Logic of the  $F$ -ratio, One way classification, Two way classification, Main effects, interaction effects, and simple main effects

#### Readings

Blommers, P. & Lindquist, E. F. (1960). *Elementary Statistical Methods*. Boston: Houghton-Mifflin Company.

Ferguson. G. A. (1989). *Statistical Analysis in Psychology and Education*. New York: McGraw Hill.

Guilford. J. P. (1979). *Fundamental Statistics in Psychology and Education*. New York: McGraw Hill.

Hays, W. L. (1977). *Statistics for the Social Science*. New York: Holt Rinehart and Winston. Inc.

Mostafa. M. G. (1981). *Methods of Statistics*. Dhaka: Anwari Publication.

Islam, M. N. (2007). *An Introduction to Research Methods: Theory and Applications*. Book World.

Siegel. S. (1956). *Nonparametric statistics for the behavioral sciences*. New York: McGraw Hill.

Snedecor, G.W. & Cochran, W. G. (1967). *Statistical Methods*. Ames: Iowa State University Press.

## PSY 203: Psychological Testing

### 4 Credits

#### 1. Introduction to Psychological Testing

Definition of Psychological Test, Uses and Varieties of Psychological Tests, Applications of Psychological Testing, Principles of Psychological Testing, Why Control the Use of Psychological Tests?

#### 2. Historical Perspective

Early Antecedents, Charles Darwin and Individual Differences, Experimental Psychology and Psychophysical Measurement, The Evolution of Intelligence and Standardized Achievement Tests, Personality Tests, The Emergence of New Approaches to Personality Testing, The Period of Rapid Changes in the Status of Testing

#### 3. Fundamentals of Measurement

Definition of Measurement, Properties of Number, Properties of Scales, Types of Scales, Why Scale of Measurement Matters? Errors in Measurement: Random Error, Systematic Error; Theories of Measurement: Classical Test Theory: True Score Theory, Domain Sampling Theory; Item Response Theory, Generalizability Theory

#### 4. Norms

The Nature of a Score: Frames of Reference, Domains in Criterion-and Norm-Referenced Tests; Criterion-Referenced Evaluation, Norm-Referenced Evaluation: Grade Norms, Age Norms, Percentile Norms, Standard Score Norms, Normalizing Transformations, Cautions in Using Norms

#### 5. Reliability

Concept of Reliability, Estimates of Reliability: Test-Retest Reliability, Alternate/Equivalent/Parallel Forms Reliability, Internal Consistency Reliability (Split-Half, Kuder-Richardson 20/21, Coefficient Alpha), Inter-Rater Reliability

#### 6. Validity

Concept of Validity, Aspects of Validity: Face Validity, Content Validity, Criterion Validity: Postdictive Validity, Concurrent Validity, Predictive Validity; Construct Validity: Convergent Validity, Discriminant Validity; Factorial Validity; Relationship between Reliability and Validity,

#### 7. Item analysis

Item Difficulty/Item Endorsement, Item Discrimination: Discrimination Index/Upper Lower Index, Item-Total Correlation; Pearson Product Moment Correlation, Pearson Point Biserial Correlation, Pearson Biserial Correlation; Item Characteristic Curves (ICC), Distracter Analysis, Qualitative Item Analysis

### **8. Test Development**

Test Conceptualization: Some Preliminary Questions, Pilot Work; Test Construction: Scaling, Writing Items, Scoring Items; Test Tryout: What is a Good Item?; Item Analysis, Test Revision: Test Revision as a Stage in New Test Development, Test Revision in the Life Cycle of an Existing Test

### **9. Test Adaptation**

Assembly, Adoption, and Adaptation, Guidelines of the International Test Commission (ITC): Context Guidelines, Test Development and Adaptation Guidelines, Administration Guidelines, Documentation/Score Interpretation Guidelines

### **10. Ethical and Social Considerations in Testing**

Ethical Issues in Psychological Testing, User Qualifications and Professional Competence, Responsibilities of Test Publishers, Protection of Privacy, Confidentiality

### *Readings*

- Aiken, L. R. (1976). *Psychological Testing and Assessment* (2<sup>nd</sup> edition). Boston: Allyn and Bacon, Inc.
- Aiken, L. R. (1998). *Tests and Examinations: Measuring Abilities and Performance*. New York: Wiley.
- Aiken, L. R. & Marnat, G. G. (2009). *Psychological Testing and Assessment* (12<sup>th</sup> ed.). New Delhi: Dorling Kindersley.
- Anastasi, A. & Urbina. S. (2010). *Psychological Testing* (7<sup>th</sup> Ed). New Delhi: Pearson Education. PHI Learning Private Limited.
- Cattell, R. B. (2001). *A Guide to Mental Testing*. New Delhi: Surjeet Publications.
- Cohen, R. J. & Swerdlik, M. E. (2005). *Psychological Testing and Assessment* (6<sup>th</sup> ed.). New York: McGraw-Hill.
- Cronbach, L. J. (1961). *Essentials of Psychological Testing*. New York: Harper & Row Publishers.
- Gregory, R. J. (2004). *Psychological Testing: History, Principles and Application*. New Delhi: Pearson Education.
- Guilford, J. P. (1954). *Psychometric Methods* (2<sup>nd</sup> edition). New York: McGraw-Hill.
- Hambleton, R. K. (2001). The next generation of the ITC test translation and adaptation guidelines. *European Journal of Psychological Assessment*, 17, 164-172.
- Kaplan, R. M. & Saccuzzo, D. P. (2005). *Psychological Testing* (6<sup>th</sup> ed.). Belmont, CA: Wadsworth.
- Kline, T. J. B. (2005). *Psychological Testing: A Practical Approach to Design and Evaluation*. New Delhi: Vistaar Publications.
- Noll. V. H. (1965). *Introduction to Educational Measurement*. Boston: Houghton, Mifflin Company.
- Reynolds, C. R., Livingston, R. B., & Willson, V. (2011). *Measurement and Assessment in Education* (2<sup>nd</sup> ed.). New Delhi: PHI Learning Private Limited.
- Thorndike, R. M., & Christ, T. T. (2011). *Measurement and Evaluation in Psychology and Education* (8<sup>th</sup> ed.). New Delhi: PHI Learning Private Limited.
- Toplis, J., Dulewicz, V., & Fletcher, C. (2005). *Psychological Testing: A Manager's Guide*. Mumbai: Jaico Publishing House.
- Winer, B. J. (1962). *Statistical Principles in Experimental Design*. New York: McGraw-Hill.

**PSY 204: Social Psychology**  
**4 Credits**

**1. Introduction**

What is Social Psychology? Asking and Answering Research Questions, Methods used in Social Psychology

**2. Socialization**

Processes and Products, Cultural influences on Behavior.

**3. Social Perception**

Basic processes affecting perceptual response, Perceptual Defense, Perceptual accentuation, Person perception

**4. Communication**

The Process of Communication, Non- Verbal Communication: The Unspoken Language, Language and Communication

**5. Attitudes**

Attitudes and Attitude Change, Attitude and their Origin, Behavior and Attitude, Measurement of Attitude, Theories of Attitude Change

**6. Interaction in Group**

The Mere Presence of Others: The Effects of Minimal Interdependence, Performance in Face-to-Face Group: Interaction and Interdependence, Group Performance, Types of Group

**7. Interpersonal Attraction**

Classic Explanation, Factors determining interpersonal attraction, Theories of Attraction

**8. Norms and Conformity**

Conformity to social Norms, How Groups form Norms: Processes to social influence, Conformity Pressure, When do people Conform?

**9. Leadership**

What do Leaders do? Leadership Effectiveness: Person of situation, Who becomes Leader?, Stereotypes and Leadership, Transformational Leadership, The dark side of Leadership, Types, Traits and Situational Approach of Leadership

**10. Mass Communication and Collective Behavior**

Public Opinion, Crowd, Rumor, Propaganda, Prejudice

*Readings*

Baron, R.A. & Byrne, D. (1999). *Social Psychology*. New Delhi: Prentice Hall of India.

Krech, D., Crutchfield R.S. & Ballachey, E.L. (1962). *Individual in Society*. New York, USA: McGraw Hill Co. Ltd.

Lindgren, H.C. (1972). *An Introduction to Social Psychology*. London: Wiley & Sons.

Myers, D.G. (1993). *Social Psychology*. New York, USA: McGraw-Hill Co. Ltd ( INC).

Sargent, S.S. & Williamson, R.C. (1966). *Social Psychology*. New York, USA : The Ronald Press.

Secord, P.F. & Backman, C.W. (1974). *Social Psychology*. New York, USA: McGraw-Hill Co. Ltd (International student edition).

Smith, E.R. & Mackie, D.M.(2007). *Social Psychology (3<sup>rd</sup>ed.)*. New York, USA: Psychology Press.

Taylor, S.E., Peplam, L.A. & Sears, D. O. (2000). *Social Psychology*. New Jersey: Prentice Hall Ltd.

**PSY 205: Data Analysis & Computers**  
**4 Credits**

**1. Introduction to Computer**

Brief History and Types of Computers, Application areas, Basic Terminologies: Working Principles of a Computer System, Computer Language, Hardware and Software; Different Operating Systems: Short Idea about DOS, UNIX and Linux, Windows

**2. Basics of Software**

Classification of Software, System Software, Application Software: Word Processor, Spreadsheet, Database Software; Statistical Software for data Analysis: Different Statistical Software, Introduction to SPSS, Meaning, Application and Background of SPSS, Windows in SPSS

**3. Quantitative Data Preparation for Analysis**

Entering the Data set: Preparation of SPSSdata Window, Input the Data; Defining the Variable: Variable type, Variable name, and Variable formats, Variable Labels, and Value Labels; Reading the Data set: Reading SPSS Data, Reading Data from Spreadsheet formats, Reading Data from Simple Database formats, Reading Data from other Statistical Programs, e.g., Stata, SAS

**4. Quantitative Data Management**

4.1 Expressions, Functions and Operators: Numeric Expressions, Logical Expressions and Arithmetic Operations, Numeric Functions, Arithmetic Functions, and Statistical Functions, Relational Operators, and Logical Operators: AND and OR

4.2 Working with Date and time: Date and time Formats and Functions, Arithmetic Operations with Date and time Variables

4.3 Different Commands in SPSS: Obtain and save files in SPSS and other format (get, save outfile), New Variable Creation with Arithmetic Operation (Compute), Recoding Variables (Recode), Conditional Execution (if, do if- end if, select if), Sorting Values (sort cases), Split files, add Files, Match files and Aggregate, Sample Selection (sample), Reporting Data (list), Removing Effect of Permanent Commands (Temporary)

**5. Quantitative Data Analysis**

Graphical Presentation: Simple Bar Graphs, Line Graphs, and Graphs for Cumulating Frequency, Pie Chart, and Scatter Plot; Univariate Statistical Analysis: Frequency, Descriptive Statistics, Multiple Response; Bivariate Statistical Analysis: Contingency table Analysis; Statistical Tests (Parametric and non-parametric): Goodness of fit, Comparing (one/two/several) mean/proportion, ANOVA; Correlation and Regression Analysis: Correlation, Linear Regression Analysis, Logistic Regression

**6. Qualitative Data Analysis**

Reporting Qualitative Data, Introduction to Qualitative Data Analysis Software (Nvivo, ATLAS.ti, MaxQDA etc.)

*Readings*

Mayers, A. (2013). *Introduction to Statistics and SPSS in Psychology* (1<sup>st</sup> Ed.). Pearson Education Limited, Edinburgh Gate, UK.

*IBM SPSS Statistics 20 Command Syntax Reference*. IBM Corporation.

Flick, U. (2014). *The SAGE Handbook of Qualitative Data Analysis*. SAGE Publications Limited, London, UK.

## PSY 206: Social Work

### 4 Credits

- 1. Social Work and Psychology**  
Social Work meaning and Philosophy, The relationship between Social Work and Psychology, Use of Social Work in Psychology
- 2. Social Work related concepts and their relevance to Psychology**  
Social welfare, Social change, Social problem, Social development, Social security
- 3. Knowledge base and historical foundation of Social Work**  
Social Work as a Profession, Principles of Social Work, Values of Social Work, Code of ethics of professional Social Work and relevancy to Psychology
- 4. Theories and Approaches related to Social Work**  
Role theory, Client-centered theory, Participatory approach, Life model approach, The application of these theories and approaches in Psychology
- 5. Social Work Methods**  
Basic methods: Social case work, Social group work, Community social work; Auxiliary methods: Social work research, Social welfare administration, Social action
- 6. Social Case Work**  
Meaning and scope of social case work, Objectives, Principles, Steps of social case work : Psycho-social study, Diagnosis, treatment, Evaluation and follow-up; Rapport, Importance of rapport in the practice of Psychology, Field of social case work in Bangladesh, Application of social case work in Psychology
- 7. Social Group Work**  
Meaning of social group work, Objectives, Principles, Types of social group, Leader and leadership: Types of leadership, Scope of social group work in Bangladesh, Application of social group work in Psychology
- 8. Community Social Work**  
Meaning of community social work, Principles of community social work, Strategies of community social work
- 9. Some Government Social Welfare Programs in Bangladesh**  
Medical Social Work, Women welfare, Correctional service

### Readings

- Biestek, Felix P, (1957). *The Case Work Relationship*, Chicago: Loyola University Press.
- Badlock, Peter, (1974). *Community Work and Social Work*, London: Routledge and Kegan Paul.
- Friedlander, Walter A. (1977). *Concepts and Methods of Social Work*, (2<sup>nd</sup> Ed.) New Delhi: Prentice-Hall.
- Friedlander, Walter A. (1963). *Introduction to Social Welfare*, (2<sup>nd</sup> Ed.) New Delhi: Prentice-Hall.
- Hussain, N. & Alauddin M. (1970). *Introduction to Social Work Methods*, Dhaka: College of Social Welfare and Research Centre.
- Konopka, Gisela (1972). *Social Group Work: A Helping Process*, (2<sup>nd</sup> Ed.) New York: Prentice-Hall.
- Perlman, Helen Harris (1965). *Social Case Work: A Problem-solving Process*, Chicago: The University of Chicago Press.
- Ross, Murray G. (1955). *Community Organization: Theory and Principles*, New York: Harper & Brothers Publishers.
- Turner, Francis J. and Kendall, Katherine A. (1986). *Social Work Treatment: Interlocking Theoretical Approaches*, (3<sup>rd</sup> Ed.) New York: The Free Press.

Trecker, Harleigh B. (1967). *Social Group Work: Principles and Practices*, (5<sup>th</sup> Ed.) New York: Association Press.

**PSY 207: Practical  
4 Credits**

**[Any 6 of the 10 following experiments to be conducted]**

1. Gender identity and sex-role stereotyping.
2. Experimenter-expectancy effect on experimental participants.
3. Effect of over learning on retention.
4. Effect of neutral and emotional words on reaction time.
5. Effect of reinforcement on verbal learning.
6. Von Restorff effect on memory recall in serial learning.
7. Short term memory as a function of auditory and visual presentation of digits.
8. To study the zeigarnik effect.
9. To compare incidental versus intentional learning.
10. Effect of divided attention on false memory.

*Readings*

*Katz, S. Woods, G. T. & Carrithers, J. H. (1966). On reinforcement after effects. Journal of Experimental Psychology, 63, 624-626.*

*Gupta, B. S. & Nagpal, M. (1978). Sociability and reinforcement in verbal operant conditioning. British Journal of Psychology, 203-206.*

*Levine, M. (1962). Cue neutralisation: the effect of random reinforcement (RRS) upon discrimination learning. Journal of Experimental Psychology. 59, 438-443.*

*Von Restorff, H. (1933). "Über die Wirkung von Bereichsbildungen im Spurenfeld (The effects of field formation in the trace field)". Psychological Research 18 (1): 299-342. doi:10.1007/BF02409636.*

*Newman, S. E. and Saltz, E. (1958). Isolation Effect: Stimulus and response generalization as an explanatory concept. Journal of Experimental Psychology, 55, 467-472.*

*Cimbolo, R. S. Nowak, B. L. and Sodarstorm, J. A. (1981). The isolation effect in children short term memory. Journal of General Psychology, 105. 215-223.*

# Third Year BS Honors

## 301: Developmental Psychology II 4 Credits

### 1. Introduction

History of adult development and aging, Stages of adult development, Research Methodology: Cross-sectional Studies, Longitudinal Studies, Sequential Design

### 2. Early Adulthood

Family and Relationships: Mate Selection, Marital Adjustment, Role and role differentiation, Parenting, Divorce, Widowhood, Remarriage

### 3. World of Work

Occupational choice, Challenges of work setting, One life-One career, Career clock, Occupation and family, Work and gender, Work and age

### 4. Personality Development

Approaches to Personality, Carl Gustav Jung's theory of personality Development, Change and continuity in the adult Personality

### 5. Middle Adulthood

Developmental Tasks, Physical change: Menopause and its effect on personality, Grand parenting: Adjustment to changed family situation, Duvall's family life cycle, Work and generativity, Work related issues and task

### 6. Late Adulthood

Physiological Theories of Aging, Wear and Tear Theory, Cellular Aging Theory, Homeostatic Imbalance Theory, Dietary Restriction Theory

### 7. Social-Psychological Theories of Aging

Disengagement, Activity Theory

### 8. Physical Changes of Late Adulthood

Sensory capacities: Vision, Hearing; Nervous systems: Central Nervous system

### 9. Dependency

Financial dependency, Physical dependency, Emotional dependency

### 10. Adjustment with death and bereavement

Facing death, Process of dying, Survivors: Bereavement and grief

### Readings

Aiken, L.R. (1998). *Human Development in Adulthood*. Plenum Press

Cavanaugh J. C. (2002). *Adult Development & Aging* Wardsworth Press.

Hurlock, E.B. (?). *Development Psychology*. McGraw Hill.

Kennedy, E.C. (1978). *Human Development*: Macmillan Publishing Co. Inc.

Kimmel, CD. (1990). *Adulthood and Aging*, New York, John Wiley & sons

Macron S.R. & Brodzisky, D. (1979). *Lifespan Human Development*. Holt, Rinheart & Wiston,

Moody, H.R. (1993). *Aging*, Pineforge Press.

Neugartan, B.L. Middleage and Aging: *A Reader in Social Psychology*: The University of Chicago Press.

Newman and Newman (1984). *Development through Life*. A Psychological Approach  
Illinois Dorsey Press.

Papalia, D.E., Olds, S.W. & Feldman, R.D. (2008). *Human Development*, McGraw-Hill  
Higher Education

Schaie, K.W. and Geiwitz, J. (1982), *Adult Development and Aging*, Little Brown and Company (Inc)

## PSY 302: Health Psychology

### 4 Credits

- 1. Concept of Health and Health Psychology**
  - 1.1 Different views of health
  - 1.2 Factors or determinants of health
  - 1.3 Definition of health Psychology
  - 1.4 Well-being and bio-psychological models
  - 1.5 Role of the health psychologist
  - 1.6 Why is the field of health psychology needed?
- 2. Stress and Moderators of the Stress Experience**
  - 2.1 Stress defined
  - 2.2 Stress and illness
  - 2.3 Management of stress
- 3. Health Behavior and Primary Prevention**
  - 3.1 Health behaviors
  - 3.2 Changing health habits
  - 3.3 Cognitive-behavioral approaches to health behavior change
  - 3.4 Trans-theoretical model of behavior change
- 4. Psychoneuroimmunology, AIDS, and Cancer**
  - 4.1 Risky health behaviors I
  - 4.2 Expectancy value theory
  - 4.3 Risky health behaviors II: substance use and abuse
  - 4.4 Risky health behaviors II: risky sexual behaviors
  - 4.5 Cancer I: defining Cancer and its risk factors
  - 4.6 Cancer II: treatment and prevention
  - 4.7 Social cognitive theory
  - 4.8 HIV/AIDS I: infection, prevalence, and transmission
  - 4.9 HIV/AIDS II: Prevention and treatment
- 5. Pain and its Management**
  - 5.1 Elusive nature of pain
  - 5.2 Clinical management of pain
  - 5.3 Pain control techniques
  - 5.4 The placebo as healer
- 6. Health Enhancing Behaviors**
  - 6.1 Accident prevention
  - 6.2 Maintaining a healthy diet
  - 6.3 Weight control
  - 6.4 Eating disorders
- 7. Occupational Health**
  - 7.1 Introduction to occupational health
  - 7.2 Industrial health hazards
  - 7.3 Occupational diseases
  - 7.4 Occupational hazards
  - 7.5 Offensive trade
  - 7.6 Occupational health programs in Bangladesh



## **8. Maternal and Child Health (MCH)**

- 8.1 Introduction to MCH care
- 8.2 Maternal health care
- 8.3 Child health care
- 8.4 MCH programs in Bangladesh
- 8.5 Causes and theories of student activism

### *Readings*

- Baum, A.; Newman, S; Weinman, J; West, R. & McManus, C. Cambridge Handbook of Psychology, Health and Medicine. Cambridge University Press.
- Sanderson, C.A. (2013). Health Psychology, 2<sup>nd</sup> Ed, Danvers: John Wiley & Sons, Inc.
- Davison, G.C. and Neale, L.M.(2012). Abnormal Psychology, 12<sup>th</sup>ed, John Wiley and Sons.
- Feuerstein, M., Labble, E.E, and Kuczmierczyk (1986). Health Psychology. New York: Plenum Press.
- Green, A. (1999). An Introduction to Health Planning in Developing countries (2<sup>nd</sup> Ed.). New York: Oxford University Press.
- Park, k. (1997). Textbook of Preventive and Social Medicine (15<sup>th</sup> Ed). Jabalpur: BanaesidasBhanot Publishers.
- Pearce, S.&Wardle,J. (Editors) The Practice of Behavioral Medicine. Oxford University Press.
- Rashid, K.M., Khabiruddin, M. and Hyder, S. (2008). Text Book of Community Medicine and Public Health (4<sup>th</sup> Ed). Dhaka: RKH Publishers.
- Sarafino, E.P. Health Psychology: Biopsychological Interactions. Singapore: John Wiley and Sons, Inc.
- Taylor, S.E. (2012). Health Psychology, 4<sup>th</sup> Ed, Boston: McGraw-Hill.

## **PSY 303: Abnormal Psychology**

### **4 Credits**

#### **1. Abnormal Psychology: Past and Present**

What is psychological abnormality? How common are mental disorders? What is treatment? How was abnormality viewed and treated in the past? Current trends

#### **2. Models of Abnormality**

One-dimensional versus multidimensional models, Biological model, Psychodynamic model, Behavioral model, Cognitive model, Humanistic-existential model, Sociocultural model: Family-social and multicultural perspectives

#### **3. Clinical Assessment, Diagnosis, and Treatment**

Assessing psychological disorders, Diagnosis: Does the client's syndrome match a known disorder? Treatment: How might the client be helped?: An overview of treatment, Measuring success in psychotherapy, What therapeutic approaches should be used? Psychosocial approaches to treatment, Sociocultural perspectives, Biological approaches to treatment

#### **4. Anxiety, Obsessive-Compulsive, and related disorders**

The complexity of anxiety disorder, Generalized anxiety disorder, Phobias, Social anxiety disorder, Panic disorder, Obsessive-compulsive disorder

#### **5. Disorders of trauma and stress**

Stress and arousal: The fight-or-flight response, Acute and posttraumatic stress disorders, Dissociative disorders: Dissociative amnesia, Dissociative identity disorder, Depersonalization-derealization disorder

#### **6. Depressive and bipolar disorders**

Unipolar depression: Depressive disorders, What causes unipolar depression? Bipolar disorders, Treatments of mood disorders, Suicide

#### **7. Disorders featuring somatic symptoms**

Factitious disorder, Conversion disorder and somatic symptom disorder, Illness anxiety disorder, Psychophysiological disorders, Psychological factors affecting other medical conditions

#### **8. Schizophrenia**

Clinical picture of schizophrenia, How do theorists explain schizophrenia? Treatment of schizophrenia

#### **9. Personality disorders and impulse-control disorders**

Personality disorders: “Odd” personality disorders, “Dramatic” personality disorders, “Anxious” personality disorders; Impulse-control disorders: Kleptomania, Intermittent explosive Disorder, Pyromania

#### **10. Disorders common among children and adolescents**

Childhood and adolescence, Childhood anxiety disorders, Depressive and bipolar disorders, Oppositional defiant disorder and conduct disorder, Elimination disorders, Neurodevelopmental Disorders, Planning better programs to help children and adolescents

### *Readings*

- American Psychiatric Association. (2013). *Diagnostic and statistical manual of mental disorders* (5th ed.). Washington, DC: Author.
- Barlow, D. H., & Durand, V. M. (2015). *Abnormal psychology: An integrative approach* (7th ed.). Stamford, CT: Cengage Learning.
- Comer, R. J. (2015). *Abnormal psychology* (9th ed.). New York, NY: Worth Publishers.
- Hooley, J. M., Butcher, J. N., Nock, M. K., & Mineka, S. M. (2016). *Abnormal psychology* (17th ed.). New York, NY: Pearson.
- Kring, A. M., Johnson, S. L., Davison, G. C., & Neale, J. M. (2014). *Abnormal psychology* (13th ed.). New York, NY: Wiley.
- Nevid, J. S., Rathus, S. A., & Greene, B. (2014). *Abnormal psychology in a changing world* (9th ed.). New York, NY: Pearson.
- Pomerantz, A. M. (2017). *Clinical Psychology: Science, practice, and culture* (4th ed.). London: Sage.

**PSY 304: Psychology of Perception**  
**4 Credits**

**1. Introduction to Perception**

Perceptual Process, How to Approach the Study of Perception, Measuring Perception

**2. Physiology of Perception**

Brain: the Mind's Computer, Neurons: Communication and Processing, Vision Begins in the Eye, Transforming Light into Electricity, Pigments and Perception

**3. Neurons and Perception**

Convergence: Many Neurons Sending Signals to One Neuron, Inhibition: How Activity in One Neuron Can Decrease Activity in Another One, Neural Processing: Interactions Between Neurons

**4. Organized Brain**

Maps: Representing Spatial Layout, Columns: Organizing for Location, Orientation, and Ocular Dominance, Streams: Pathways for What, Where, and How, Modularity: Structures for Faces, Places, and Bodies, Evolution and Plasticity

**5. Perceiving Objects**

Challenge of Object Perception; Gestalt Approach to Object Perception; Perceptual Segregation: How Objects are Separated; Modern Research on Object Perception.

**6. Visual Attention**

Attention and Perceiving the Environment, Is Attention Necessary for Perception?, Does Attention Enhance Perception?, Physiology of Attention

**7. Perceiving Color**

Introduction to Color, Trichromatic Theory of Color Vision, Opponent-Process Theory of Color Vision, Perceiving Color Under Changing Illumination

**8. Perceiving Depth and Size**

Oculomotor Cues, Monocular Cues, Binocular Depth Information, Physiology of Depth Perception, Perceiving Size

*Readings*

Goldstein, E. B. (2007). *Psychology of Sensation and Perception*. New Delhi: Cengage Learning.

Goldstein, E. B. (2013). *Sensation and Perception* (9<sup>th</sup> ed). NY: Cengage Learning.

Mather, G. (2009). *Foundations of Sensation and Perception* (2<sup>nd</sup> ed). NY: Psychology Press.

Wolfe, J. M., Kluender, K. R., & Levi, D. M. (2012). *Sensation and Perception* (3<sup>rd</sup> ed). MA: Sinauer Associates, Inc.

**PSY 305: Industrial Psychology**  
**4 Credits**

**1. Introduction to I/O Psychology**

Definition of I/O Psychology, I/O Psychology as an Applied Science, History of I/O Psychology, Career as an I/O Psychologist, Future Challenges of I/O Psychology

**2. Research Methods in I/O Psychology**

Significance of Research in the field of I/O Psychology, Research Designs, Data collection Methods, Data analyses

### **3. Job Analysis**

Definition of Job Analysis, Purposes of Job Analysis, Source of Job Analysis Information, Methods of Job Analysis, Reliability and Validity of Job Analysis Information, Job Evaluation

### **4. Assessment Methods for Selection and Placement**

Job Related Characteristics, Psychological Tests, Biographical Information, Work Samples, Assessment Centers, Interviews

### **5. Selecting Employees**

The Planning of Human Resource Needs, Recruiting Applicants, Selecting Employees, The Utility of Scientific Selection

### **6. Performance Appraisal**

Significance of Performance Appraisal, Performance Criteria, Methods of Assessing Job Performance

### **7. Training and Development**

Need Assessment, Setting Objectives, Training Design, Training Methods, Delivery of a Training Program, Evaluation of Training

### **8. Job Satisfaction and Organizational Commitment**

The Nature of Job Satisfaction, The Assessment of Job Satisfaction, Antecedents of Job Satisfaction, Potential Effects of Job Satisfaction, Organizational Commitment

### **9. Productive and Counter Productive Behavior**

Productive Behavior and Job Performance, Environmental Conditions and Job Performance, Organizational Citizenship Behavior, Counterproductive Behavior

### **10. Employee Health and Safety**

Physical Conditions Affecting Health and Safety, Work Schedules, Job Stress, Burnouts

### **11. Accident in Industry and Prevention**

Definition of Accident, Causes of Accidents, Prevention of Accidents

### **12. Engineering Psychology**

Objectives of Human Factors/Ergonomics, The Man-machine System, Display and Control Designs

### *Readings*

Anastasi, A. (1979). *Fields of Applied Psychology*. New York. McGraw Hill Inc

Blum, M. L. and Naylor, J. C. (1968). *Industrial Psychology*. New Delhi: CSB Publishers.

Chapanis, A. (1996). *Human Factors in System Engineering*. John Wiley and Sons Inc.

Dunnette, M. D. (1966). *Personnel Selection and Placement*. Belmont, California : Wadsworth Publishing Co.

Howell, W. C. and Dipboye, R. I. (1982). *Essential of Industrial and Organizational Psychology*, Homewood, Illinois: The Dorsey Press.

McCormick, E. J. and Hagen, D. R. (1995). *Industrial and Organizational Psychology*, London, Routledge Publications.

Miner, J. B. (1992). *Industrial-Organizational Psychology*. New York: McGraw-Hill International Edition.

Saal, F. E. and Knight, P. A. (1995). *Industrial/Organizational Psychology*. Brooks/Cole Publishing Company. California. USA.

Scultz, D. P. and Scults S. E. (1998). *Psychology and Work Today*. Prentice-Hall Inc. New Jersey. USA.

Spector, P. E. (1996). *Industrial and Organizational Psychology*. John Wiley and Sons Inc. New York. USA.

## PSY 306: Research Methodology

### 4 Credits

#### 1. Introduction

Science: Science and its characteristics, Steps involved in the scientific method; Overview of research: Definition of research, Purposes of conducting research, Steps involved in the formulation of a research problem, Practical problem versus research problem, Identification, definition, Justification of the research problem; A few relevant concepts: Method, Methodology, Design, Conceptual framework, Inductive – deductive reasoning

#### 2. Classification of Research

Pure/basic Research, Applied Research and Evaluative Research; Quantitative and Qualitative Research, Exploratory, Descriptive and Explanatory Research, Experimental, Quasi-experimental and Non-experimental Research

#### 3. Survey Research

Basic concepts related to survey: Definition and uses of survey, Sample survey and Census, Target population and Study/accessible population, Types of survey research, Sample, Sampling and Sampling Units; Survey Data Collection: Self-completion questionnaire, Postal/mailed questionnaire, Telephone interview, Face-to-face interview; Survey Designs: Cross-sectional design, Successive independent samples design, Longitudinal design, Advantages and Disadvantages of survey designs

#### 4. Sampling

Probability Sampling Techniques: The concept of probability sampling, Simple random sampling technique, Systematic random sampling technique, Stratified random sampling technique, Cluster and multi-stage sampling technique, Advantages and Disadvantages of different probability sampling techniques; Non-probability Sampling Techniques: The concept of non-probability sampling, Convenience/incidental sampling, Purposive/judgmental sampling, Quota sampling, Snowball sampling; Errors and Biases in Sampling: Sampling errors, Non-sampling errors

#### 5. Methods/ Techniques of Collecting Research Data

Observation: Naturalistic observation, Participant observation, Non-participant observation /Unobtrusive observation; Questionnaires: General principles of questionnaire design, Question content, Question wording, Open-ended versus pre-coded questions; Interviews: Structured, Semi-structured interview and Unstructured interviews; Focus Group Discussion (FGD): The concept of FGD; Uses of FGD, Conducting FGDs, The FGD team, Strengths and Limitations of FGD; Documents Examination/Analysis of Texts: The concept of document, Advantages and disadvantages of using documents, Analysis of textual data

#### 6. Ethics in Research

**Central ethical issues in research involving human participants:** Informed consent, Privacy and confidentiality, Autonomy, Deception, Risk of harm, Exploitation; Components of ethically valid informed consent for research: Disclosure, Understanding, Voluntariness, Competence, Consent, Non-inclusion of any exculpatory language; Ethical principles for research involving Animal Participants

#### 7. Development of Research Proposal

Main sections of a research proposal: Introduction, Method, Budget – time budget & financial budget; Gantt chart

## 8. Report Writing

Components of writing reports for scientific journals; Style of writing report following the APA publication manual

### Readings

- APA (1995). *Publication Manual of the American Psychological Association* (5<sup>th</sup> Ed.). Washington, D. C.: American Psychological Association.
- Bernard, H. R. (2000). *Social research methods: Qualitative and quantitative approaches*. Thousand Oaks (California): Sage Publications, Inc.
- Booth, W. C., Colomb, G. G. and Williams, J. M. (1995). *The Craft of Research*. Chicago: The University of Chicago Press.
- Campbell, D. T., & Stanley, J. C. (1963). Experimental and Quasi-experimental Designs for Research. In N. L. Gage (Ed.), *Handbook of Research on Teaching*. Chicago: Rand McNally & Company.
- Cochran, W. G. (1977). *Sampling Techniques* (3<sup>rd</sup> Ed.). New York: John Wiley & Sons, Inc.
- Drew, C. J., Hardman, M. L., & Hart, A. W. (1996). *Designing and Conducting Research* (2<sup>nd</sup> Ed.). Boston: Allyn and Bacon. [Chapters 7 & 15]
- Fisher, A. A., Laing, J. E., Stoeckel, J. E., & Townsend, J. W. (1991). *Handbook for Family Planning Operations Research Design* (2<sup>nd</sup> Ed.). New York: Population Council.
- Foreit, J. R., & Frejka, T. (Eds.) (1998). *Family Planning OR: A Book of Readings*. New York: Population Council.
- Giles, K., & Hedge, N. (Eds.) (1995). *The Manager's Good Study Guide*. Walton Hall, Milton Keynes: The Open University.
- Hancock, D. R., & Algozzine, B. (2006). *Doing Case Study Research – A Practical Guide for Beginning Researchers*. New York: Teachers College Press. [Retrieved from <http://xa.yimg.com/kg/groups/22199541/826341629/name> Retrieved on 12-02-2013]
- Islam, N. (2008). *An Introduction to Research Methods*. Dhaka: Mullick & Brothers.
- Jordan, K., Ong, B. N., & Croft, P. (1998). *Mastering Statistics: A Guide for Health Service Professionals and Researchers*. Cheltenham (UK): Stanley Thornes (Publishers) Ltd.
- Kitzinger, J. (1995). Introducing focus groups. *British Medical Journal*, 311: 299-302.
- Lindquist, E. F. (1953). *Design and Analysis of Experiments in Psychology and Education*. Boston: Houghton Mifflin Company.
- LSHTM. (1998). HSM 101, Module-4 Introduction to Social Science Methods. London School of Hygiene and Tropical Medicine (LSHTM), University of London.
- McConway, K. (Ed.). (1994). *Studying Health and Disease*. Buckingham: The Open University Press.
- McGuigan, F. J. (1990). *Experimental Psychology: Methods of Research* (5<sup>th</sup> Ed.). New Jersey: Prentice Hall.
- McGuigan, F. J. (1997). *Experimental Psychology: Methods of Research* (7<sup>th</sup> Ed.). New Jersey: Prentice Hall.
- Monette, D. R., Sullivan, T. J., & DeJong, C. R. (1998). *Applied Social Research: Tool for the Human Services* (4<sup>th</sup> Ed.). Orlando: Harcourt Brace & Company.
- Moser, S. C., & Kalton, G. (1971). *Survey Methods in Social Investigation* (2<sup>nd</sup> Ed.). London: Heinemann Educational Books Ltd and The English Language Book Society.
- Shaughnessy, J. J., & Zechmeister, E. B. (1997). *Research Methods in Psychology* (4<sup>th</sup> Ed.). Boston: McGraw-Hill.
- Sim, J., & Wright, C. (2000). *Research in Health Care*. London: Stanley Thornes (Publishers) Ltd.
- Yin, R. K. (1994). *Case Study Research: Design and Methods* (2<sup>nd</sup> Ed.). London: Sage Publications, Inc

## PSY 307: Biopsychology

### 4 Credits

#### 1. Introduction to Biopsychology

What is Biopsychology? Research Techniques in Biopsychology, Divisions of Biopsychology, Mind and Brain Relation: Biological Explanation of Behavior; Genetics of Behavior: Sex-linked Chromosome and Cross-over; Heredity and Environment

#### 2. Origin and Development of the Brain

Gastrulation and Development of the Nervous System, Spinal Cord: Structure and Functions of the Spinal Cord; Brain Stem, Cortex: Diencephalon, Hind Brain, Mid Brain, Cranial Nerve, Hemispheres and Lobes, Fissures, Sulci,

#### 3. Neuron's Electrical Activity

Membrane Potential, Action Potential, Serotonin and GABA System

#### 4. Neuroimaging Techniques

ERP, EEG, MRI & fMRI, TMS

#### 5. Brain Lobes

Structure and Theories of Occipital lobe, Structure and Theories of Temporal lobe, Structure and Theories of Frontal lobe, Structure and Theories of Parietal lobe

#### 6. Organization of the Sensory System

General Principles of Sensory System Function, Visual System: Visual Receptors and Visual Pathways; Auditory System: Auditory Receptors and Auditory Pathways; Somatosensory System: Body Sense and Somatosensory Pathways; Taste and Smells

#### 7. Cerebral Asymmetry

Anatomical Asymmetry, Asymmetry in Neurological Patients: Patient with Lesion, Patient with Commissurotomy, Evidence from Brain Stimulation; Behavioral Asymmetry in Intact Brain: Examples from Visual and Auditory System

#### 8. Brain Injury and Plasticity

Brain Damage and Short-term Recovery: Mechanism of Recovery; Effect of Brain Injury on Language Relocalization of Language; Compensation Compared with Recovery: Examples of Functional Restitution: Recovery from Motor-Cortex Damage and Aphasia

#### Readings

Kalat, J. W. (2007). *Biological Psychology* (Ninth Edition). Belmont, CA: Cengage Learning.

Kolb, B. & Whishaw, I. Q. (2008). *Fundamentals of Human Neuropsychology* (5<sup>th</sup> Edition). New York: W. H. Freeman

Morgan, C. T. (1965). *Physiological Psychology* (Third Edition). New York, NY, US: McGraw-Hill

Pinel, J. P. J. (2006). *Biopsychology* (6<sup>th</sup> Edition). Harlow, Essex: Pearson Education Limited.

Squire, L. R., Berg, D. K., Bloom, F. E., Lac, S. Ghosh, G., & Spitzer, N, C. (2013) *Fundamental Neuroscience* (4th ed.). London, UK: Academic Press.

**PSY 308: Practical**  
**4 Credits**

**[Any 5 of the 10 following tests to be conducted]**

1. Boehm Test of Basic Concepts (BTBC).
2. Crawford Small Parts Dexterity Test (CSPDT).
3. Differential Aptitude Tests (DAT).
4. Edward's Personal Preference Schedule (EPPS).
5. To study Personality by means of Bell Adjustment Inventory.
6. Raven's Standard Progressive Matrices (RSPM).
7. Wechsler Intelligence Scale for Children (WISC-III).
8. Allport-Vernon-Lindzey study of values (A-V-L)
9. Beck Seale for Suicide Ideation
10. Beck Youth Inventories of Emotional and Social Impairment (BYI).

*Readings*

- Alcorn, C. L. & Nicholson, C. L. (1972). Validity of the Slosson Drawing Coordination Test with adolescents of below-average ability. *Perceptual and Motor Skills*, 34, 261-262.
- Beck, A. T., & Steer, R. A. (1991). *Manual for the Beck Scale for Suicide Ideation*. San Antonio, TX: Psychological Corporation.
- Beck, A. T., Steer, R. A., & Ranieri, W. (1988). *Scale for Suicide Ideation: Psychometric properties of a self-report version*. *Journal of Clinical Psychology*, 44(4), 499-505.
- Beck, J. S., Beck A. T., and Jolly, J. (2001) *Manual for the Beck Youth Inventories of Emotional and Social Adjustment*. San Antonio, TX: The Psychological Corporation.
- Bennett, G. K., Seashore, H. G., Wesman, A. G. (1984). *Differential Aptitude Test: Technical supplement*. San Antonio, TX: Psychological Corporation.
- Boehm, A. E. (2001a) *Boehm Test of Basic Concepts-3*. San Antonio, TX: The Psychological Corporation.
- Boehm, A. E. (2001b) *Boehm Test of Basic Concepts-3: Preschool*. San Antonio, TX: The Psychological Corporation.
- Edwards, A. (1959). *Edwards personal preference manual*. New York: The Psychological Corporation.
- McCrae, R. R., & Costa, P. T. Jr. (1997). Personality trait structure as a human universal. *American Psychologist*, 52, 509-516.
- Slosson, R. L. (1967). *Slosson Drawing Coordination Test for Children and Adults*. East Aurora, New York: Slosson Educational Publications.
- Uddin, M. K., Huq, A. U., & Shimul, A. M. (2011). Adaptation of the Beck Youth Inventories of Emotional and Social Impairment for use in Bangladesh. *Dhaka University Journal of Psychology*, 35, 65-80.
- Uddin, M. K., Faruk, O., & Khanam, M. (2013). Psychometric evaluation of the Bangla Beck Scale for Suicide Ideation. *Bangladesh Psychological Studies*, 23, 85-97.
- Wechsler, D. (1991). *The Wechsler intelligence scale for children-third edition*. San Antonio, TX: The Psychological Corporation.



# Fourth Year BS Honors

## PSY 401: Positive Psychology 4 Credits

- 1. Introduction to Positive Psychology**  
Traditional Psychology, Positive Psychology, Assumptions, Goals, and Definitions
- 2. Meaning and Measures of Happiness**  
Psychology of Well-Being, Happiness, Subjective Well-Being
- 3. Positive Emotions and Well-Being**  
What are Positive Emotions, Positive Emotions and Health Resources, Positive Emotions and Well-Being, Cultivating Positive Emotions
- 4. Resilience**  
Defining Resilience, Resilience Research, Growth Through Trauma
- 5. Happiness and the Facts of Life**  
Happiness Across the Life Span, Gender and Happiness, Marriage and Happiness, Other Facts of Life
- 6. Money, Happiness, and Culture**  
Paradox of Affluence, Understanding Money and Happiness, Culture and Well-Being
- 7. Personal Goals as Windows to Well-Being**  
What are personal Goals? What Goals Contribute Most to Well-Being, Materialism and its Discontent
- 8. Self-Regulation and Self-Control**  
Value of Self-Control, Personal Goals and Self-Regulation, Planning for Self-Regulation Success
- 9. Positive Traits**  
What makes a Trait Positive? Personality, Emotions, and Biology, Positive Beliefs
- 10. Life Above Zero**  
Positive Psychology Revisited, Contours of a Positive Life, Mindfulness and Well-Being

### *Readings*

- Aspinwall, L. G., & Staudinger, U. M. (Eds.). (2003). *A psychology of human strengths: Fundamental questions and future directions for a positive psychology*. Washington, DC: American Psychological Association.
- Baumgardner, S. R. (2009). *Positive Psychology*. New Delhi, India: Pearson.
- Carr, A. (2004). *Positive psychology: The science of happiness and human strengths*. New York: Routledge.
- Csikszentmihalyi, M. (1990). *Flow: The psychology of optimal experience*. New York: Harper and Row.
- Csikszentmihalyi, M. (1997). *Finding flow: The psychology of engagement with everyday life*. New York: Basic Books.
- Csikszentmihalyi, M. & Csikszentmihalyi, I. (Eds.). (2006). *A life worth living: Contributions to positive psychology*. New York: Oxford University Press.
- Fredrickson, B. L. (2009). *Positivity: Groundbreaking Research Reveals How to Embrace the Hidden Strength of Positive Emotions, Overcome Negativity, and Thrive*. New York: Crown.
- Keyes, C. L. M. & Haidt, J. (Eds.). (2002). *Flourishing: Positive psychology and the life well-lived*. Washington DC: American Psychological Association.

- Linley, P.A. & Joseph, S. (Eds.). (2004). *Positive psychology in practice: From research to application*. Hoboken, NJ: Wiley.
- Lopez, S. J. & Snyder, C. R. (Eds.). (2003). *Positive psychological assessment: A handbook of models and measures*. Washington, DC: American Psychological Association.
- Peterson, C. & Seligman, M. (2004). *Character strengths and virtues: A handbook and classification*. New York: Oxford University Press
- Peterson, C. (2006). *A primer in positive psychology*. Oxford University Press.
- Seligman, M. (2002). *Authentic happiness: Using the new positive psychology to realize your potential for lasting fulfillment*. New York: Free Press
- Snyder, C. R. & Lopez, S. J. (Eds.). (2009). *Oxford*

## **PSY 402: Personality Psychology**

### **4 Credits**

#### **1. Introduction**

What is theory? What is personality? A theory of personality, Personality theory and history of Psychology, The comparison of theories of personality, Approaches to personality theories

#### **2. Psychoanalytic theory of Personality: Sigmund Freud**

What makes up personality? The dynamics of personality, How personality develops, Characteristic Research and Research methods, Current Research, Evaluation

#### **3. Carl Jung's Theory of Personality**

The structure of personality, Symbolism and the collective unconscious, Therapy, Nondeterministic assumptions, Psychological types

#### **4. Social Psychological theory of Personality: Erich Fromm**

The conditions of human existence, The existential dilemma, personality development of Childhood, The six psychological needs, Character types, Fromm's image of human nature, Assessment in Fromm's theory, Research in Fromm's theory

#### **Phenomenological theory of personality: Carl R. Rogers**

The structure of personality, The dynamics of personality, The development of personality, Characteristics research and research methods, Assessment of Rogers's theory

#### **5. Cognitive field theory of Personality: Kurt Lewin**

Structure of personality, Personality dynamics, Development of personality, Research emphases and methods

#### **6. Trait theory of personality: Gordon W. Allport**

Structure and dynamics of personality, Personality development, Research emphases and Methods, Assessment of Allport's theory, Research in Allport's theory

#### **7. Hans Eysenck's Biological Trait theory**

Introduction and context, Personal history, The dimensions of personality: Extraversion versus introversion; Neuroticism versus emotional stability; psychoticism versus impulse control, Physiological correlates of personality dimensions, Research techniques, Evaluation

#### **8. Alfred Adler's Theory of Personality**

Striving From Inferiority Toward Superiority, The Unity of Personality, The Development of Personality, Psychological Health, Interventions Based on Adler's Theory

## Readings

- Allport, G.W. (1937). *Personality: A Psychological Interpretation*. New York: Henry Holt and Company.
- Bandura, A. (1977) *Social Learning theory*, Englewood Cliffs. NJ: Prentice Hall.
- Cloninger, S. C.(1996).*Theories of Personality: Understanding Persons*(2<sup>nd</sup> ed.).Prentice Hall.
- Hall, C.S. Lindzey, Y., and Campbell, J.B. (1998). *Theories of personality* (4<sup>th</sup> ed.). New York: John Wiley and Sons, Inc.
- Hall, C.S. Lindzey, G., Loehlin, J.C., and Manosevitz. M.(1985). *Introduction to theories of personality*, New York: John Wiley and sons.
- Maddi, R.,( 1980 ) *Personality theories: A comparative analysis*, (4th Ed.). Home wood, Ill.: Dorsey Press.
- Pervin, L. A. and John, O.P. (1997). *Personality: Theory and Research* (7th Ed.) New York: John Wiley and sons.
- Rogers, C.R.: (1951) *Client-centered therapy: Its current practice, implications and theory*. Boston; Houghton Muffin.
- Ryckman, R.M.(1993). *Theories of personality*.(5<sup>th</sup> ed.) Pacific grove, calif: Brooks/ cole.
- Schultz, D. and Schultz. S,E. (1998). *Theories of personality*. (6<sup>th</sup> Ed.) New York: Brooks/ Cole publishing company.

## **PSY 403: Theories of Learning** **4 Credits**

- 1. The nature of learning theories: the issues**  
Definition of learning, Maturation vs learning, Learning problem solving and reasoning, Issues on which learning theories divide, Importance of learning theory
- 2. Thorndike's Connectionism**  
Connectionism before 1930, Subordinate laws, Connectionism after 1930, Belongingness, Spared of Effects, Experiments on spread of effects, Estimate of Thorndike's position
- 3. Pavlov's Classical Conditioning**  
Pavlov's experiments and theories: Some empirical relationships Reinforcement, Extinction and spontaneous recovery, Generalization and differentiation; Favorable and unfavorable time relationships between CS and UCS Condition and unconditioned stimuli overlap temporally, Conditioned and unconditioned stimuli do not overlap temporally, Time interval functions as conditioned stimulus; Estimate of Pavlov's contribution to learning
- 4. Guthrie's contiguous conditioning**  
Basic Principle of learning, Substitute for reinforcement, Breaking of Habits, Some Special topics-Extinction, forgetting, desire, intention, attention, Evaluation
- 5. Skinner's Operant Conditioning**  
The two kinds of learning, Positive and negative reinforcers, Shaping, Some applications, Estimate of Skinner's position
- 6. Hull's Systematic Behavior theory**  
The postulation method of theory construction, The four-stage analysis, Other postulates and corollaries, Estimate of Hull's position and his place in history
- 7. Tolman's sign learning**  
Systematic position: Behavior as Molar, Intervening variables; Sign Learning: Sign learning as an alternative to Response learning (1. Reward expectancy 2. Place learning 3. Latent learning); Expectancy versus Habit, Confirmation versus Reinforcement, Varieties of learning and Laws, The 1949 version, Estimate of Tolman's sign learning

## **8. Recent Development**

Bandura's social learning theory: Factors influencing modeling or imitation, Mechanisms of observational learning, Emotional Reaction, Self regulatory processes, Efficacy, Expectation and performance

### *Readings*

Bandura, A (1969). *Principles of Behaviour modification*. New York. Holt, Reinhart and Winston

Bandura, A. (1971). *Social learning Theory*. New York. General Learning Press.

Hill, F.W. (1975) *Learning*, London-Methuen & Co. Ltd.

Hilgard E.R. & Bower, G.H. (1966) *Theories of learning*, N.Y.: Appleton Century Crofts.

Spence, K.W. (1960) *Behavior theory and learning*, Englewood Cliff, N.J. Prentice-Hall.

## **PSY 404: History and Systems in Psychology 4 Credits**

### **1. Introduction**

Why study the history of psychology, The Early Greek Philosophers: The first philosophers, The relativity of truth, Plato, Aristotle; The Scientific Revolution: Renaissance Humanism, Francis Bacon, René Descartes

### **2. Associationism**

British Empiricism, The association of stimulus and response: Contribution of Ebbinghaus & Pavlov, Thorndike's connectionism

### **3. Structuralism**

Voluntarism, Wilhelm Maximilian Wundt, Edward Bradford Titchener

### **4. Functionalism**

Characteristics of Functionalistic Psychology, William James, Granville Stanley Hall, Functionalism at the University of Chicago, Functionalism at Columbia University.

### **5. Behaviorism**

John B. Watson, William McDougall, Neobehaviourism

### **6. Gestalt Psychology**

The Founding of Gestalt Psychology, Isomorphism and the Law of Pragnanz, Perceptual Constancies, Perceptual Gestalten, The Gestalt Explanation of Learning

### **7. Psychoanalysis**

Early Influences on the Development of Psychoanalysis, Freud's self analysis, Basic components of Freud's theory of personality, Evaluation of Freud's theory, Early alternatives to Psychoanalysis: Carl Jung & Alfred Adler

### **8. Humanistic- Existential Psychology**

Existential Psychology, Humanistic Psychology, Comparison of Existential and Humanistic Psychology

### **9. Cognitive Psychology**

Development before 1950, Development during 1950s, Development after 1950s

### **10. Psychology Today**

## Readings

- Bears, B.J. (1986). *The Cognitive Revolution in Psychology*. New York: The Guilford Press.
- Hearnshaw, L.S. (1989). *The Shaping of Modern Psychology*. London: Routledge.
- Hergenhahn, B.R. (1986). *An Introduction to the History of Psychology*. Wadsworth Publishing Co.
- Leahey, T.H. (1980). *A History of Psychology*. New Jersey: Prentice-Hall, Inc. Englewood Cliffs.
- Sorcar, N., Khaleque A. and Hoque, M (1996). *Monobiggyaner Itihas O Matabad*. Gyan Kosh, Banglabazar, Dhaka.

## PSY 405: Organizational Psychology

### 4 Credits

#### 1. Introduction

Definition of Organizational Behavior, Subject Matter of Organizational Behavior, Goals of Organizational Behavior, Forces of Organizational Behavior, Fundamental Concepts about Nature of People and Organization

#### 2. Organizational System

Definition of Organization, Structures of Organization, Organizational Chart/Organogram, Organizational Designs, McGregor's X, Y, and Ouchi's Z Theories, Elements of the System Approach, Other 4 Models of Organizational Behavior

#### 3. Management and Management Behavior

Manager, Management and Management Functions, Managerial Role and Skill, Effective and Successful Managers

#### 4. Work motivation

A Model of Motivation, Motivational Drives and Human Needs, Theories of Work Motivation: Maslow's Need Hierarchy Theory, ERG Theory, Herzberg's Two Factor Theory, Reinforcement Theory, Valence-Expectancy Theory, Equity Theory, Self-efficacy Theory, Goal-Setting Theory

#### 5. Leadership

The Nature of Leadership, Approaches to Leadership: Trait theories, Behavioral theories, Contingency theories, Path-goal model; Current Issues in Leadership, Emotional Intelligence and Leadership Effectiveness

#### 6. Personality and organizational behavior

Personality Determinants, Personality Traits: 16 PF, MBTI, Big-5 Model, Locus of Control, Machiavellism, Self-Esteem, Self-Monitoring, Type-A and Type-B Personalities; Personality and National Character

#### 7. Conflict and negotiation

Definition of Conflict, Types of Conflicts-Functional versus Dysfunctional conflict, Conflict Process, Negotiation.

#### 8. Group behavior

Definition of Group, Types of Groups, Stages of Group Formation

#### 9. Team work

Differences between Groups and Teams, Types of Teams, Creating Effective Teams, Turning Individuals into Team Players, Teams and Quality Management

#### 10. Communication

Definition and Functions of Communication, The Communication Process, Direction of Communication, Interpersonal Communication, Organizational Communication, Barriers of Effective Communication, Choice of Communication Channel

## Readings

- Chapanis, A. (1996). *Human Factors in System Engineering*. New Delhi: John Wiley and Sons Inc.
- Dunnette, M. D. (1966). *Personnel Selection and Placement*. Belmont, California: Wadsworth Publishing Co.
- Feldman, A. (1995). *Organizational Behavior*. New Delhi: McGraw-Hill International Edition.
- Gibson, J. L. and Ivancevich, J. M. (1997). *Organizations*. USA: Irwin McGraw-Hill.
- Gordon, J. R. (1999). *Organizational Behavior*. New Jersey: Prentice-Hall, Inc.
- Howell, W. C. and Dipboye, R. I. (1982). *Essential of Industrial and Organizational Psychology*, Homewood, Illinois: The Dorsey Press.
- Kreitner, R. and Kinicki, A. (1998). *Organizational Behavior*. Irwin: McGraw Hill International Edition.
- McCormick, E. J. and Hagen, D. R. (1995). *Industrial and Organizational Psychology*, London, Routledge Publications.
- Miner, J. B. (1992). *Industrial-Organizational Psychology*. New York: McGraw-Hill International Edition.
- Nelson, D. L. and Quick, J. C. (1996). *Organizational Behavior*. Minneapolis/Saint Paul: West Publishing Company.
- Newstrom, J. W. and Davis, K. (1997). *Organizational Behavior*. New Delhi: McGraw-Hill International Edition.
- Robbins, S. P. (2005). *Organizational Behavior*. New Jersey: Pearson Prentice-Hall, Inc.

## PSY 406: Counseling Psychology 4 Credits

### 1. Introduction to counseling

Definitions Basic concepts and scope of counseling, Guidance and other related fields, Historical foundation of counseling

### 2. Approaches to counseling

Rogerian Person-centered counseling, Behavioral counseling, CBT, Freudian Psychoanalytic Counseling, Existential counseling of Rollo May and Victor Frankl

### 3. Counseling profession and its process

Personal and professional aspects of counseling, Counseling process: Factors influencing counseling process: Initial interview sessions, Empathy, Goal Setting ; Understanding Zohari window: Counselors skills, Transference, Counter Transference; Termination: Function and issues related to termination

### 4. Counseling services

Counseling in the elementary school, Counseling in the secondary school

### 5. Testing and assessment in counseling

Problems and potential uses of tests in counseling, Testing in counseling: Qualities of a good test, Type of tests used in counseling; Assessment and diagnosis in counseling, Non-formal assessment techniques: Observation, Case study, Bibliography, Sociometry

### 6. Group counseling

Issues in group counseling, Types of group, Advantages and disadvantages of group

### 7. Marriage and family counseling

The beginnings of marriage and family counseling, Family life and family life cycle, Marriage

- Counseling, Family Counseling
8. **Career counseling over the life span**  
Career development theories, The importance of career counseling, Major theories of career Counseling
  9. **College/University counseling and student services**  
Theoretical bases, Professional preparation
  10. **Current trends and issues in counseling**  
Multicultural counseling, Rehabilitation counseling, Substance abuse counseling, Gerontological Counseling, Post disaster Counseling

### *Readings*

- Barky, B.G. and Mukhopadhyay. B. (1989). *Guidance and Counseling: A Manual*. New Delhi. Sterling Publishers Private Ltd.
- Angeles, J.R. and Vandergoot, D. (1982) *Introduction to Counselling*. Boston: Houghton Mifflin Company.
- Gelso, C.J. and Fretz B.R. (1995) *Counselling Psychology*. Bangalore: Prism Book Pvt. Ltd.
- Gladding, S.T. (1996). *Counselling: A Comprehensive Profession* (3<sup>rd</sup> Ed). New Jersey: Prentice Hall
- Glanz, E.L. ( ? ) *Guidance: foundation. Principles and Techniques*. Boston, Allyn and Bacon, Inc.
- Kochlar, S.K. (1996). *Educational and Vocational Guidance in Secondary Schools*, New Delhi: Sterling Publishers Private Ltd.
- Meier, S.T. and Davis, S.R. ( ? ) *The Elements of Counselling* (2<sup>nd</sup> Ed.) Belmont. Calif: Wadsworth.
- Patterson, L.E. and Welfel. E. R. (1994). *The Counselling Process* (4<sup>th</sup> Ed.). California. Brooks/Cole Publishing Company.
- Rao. N. S. (1981). *Counselling Psychology*. New Delhi: Tata McGraw Hill Publishing Co. Ltd.
- Shertzer, b. and Stone S.C. (1966). *Fundamentals of Guidance*. New York. Houghton Mifflin co.
- Smith, G.E. ( ? ) *Counselling in the Secondary School*. New York: Macmillan Company.
- Tobbert E.L. (1959), *Introduction to Counselling*. New York: McGraw-Hill Book Co.

## **PSY 407: Educational Psychology** **No. of Credit 4**

1. **Introduction**  
Understanding educational process, Focal areas of educational psychology, Educational psychology as applied science, Major educational problems
2. **Development and Learning**  
Concept of maturity, Intellectual maturity, Social maturity, Emotional maturity, Physical maturity
3. **Motivational Factors in Learning**  
Intrinsic and Extrinsic Motivation, Development of positive self-concepts, Aspirations and need for achievement, Explanations of success and failures, Applications for teachings
4. **Learning Theories**  
Principles of behavioral learning theories, Social learning theory, Applications of behavioral learning theory, Strengths and limitations of behavioral learning theories

**5. Cognitive Development and Language**

Brain and cognitive development, Piaget's theory of cognitive development, Implications of Piaget's theory for teachers, Vygotsky's alternative to Piaget, The development of language

**6. Problem Solving**

Definition, Historical Views, Methods of Solving Problems, Applications for teaching

**7. Creativity**

Creativity and Cognition, Assessing Creativity, Creativity in the class room

**8. Learning Situations**

Planning classroom discipline and management, Strategies for problem behavior, Planning for control of bias

**9. Evaluation of Learning**

Teacher made test, Standardized tests, Observational scales

**10. Learners Who Need Special Help**

Characteristics of the exceptional students, Problems of learning disabled and gifted children, Special education for exceptional children

*Readings*

Gage, N.J. & Berliner, D.C. (1984). *Educational Psychology*. Boston, USA: Houghton Mifflin.

Glover, J.A., Brunning, R.H. & Filbeck, R.B. (1983). *Educational Psychology*. New York: Little Brown Company.

Lindgren, H.C. (1988). *Educational Psychology in the Classroom*. New York: John Wiley.

Santrock, J.W. (2004). *Educational Psychology* (2<sup>nd</sup>ed). New York: McGraw-Hill Co. Ltd.

Slavin, R. E. (1991). *Educational Psychology: Theory into Practice* (3<sup>rd</sup>ed). New Jersey: Prentice Hall International.

Woolfolk, A.E. (1995). *Educational Psychology* (6<sup>th</sup>edi). Boston, USA: Allyn and Bacon.

**PSY 408: Cognitive Psychology**

**4 Credits**

**1. Introduction**

Definition, Information processing approach, The growth of Cognitive Psychology, Cognition's relation to other fields

**2. Pattern recognition**

Describing patterns, Information processing stages, Word recognition

**3. Attention**

Bottleneck theories, Capacity theories, Automatic processing, Applications

**4. Short-term working memory**

Forgetting, Capacity, Memory codes, Recognition of items in short term memory, Working memory

**5. Long-term memory**

Atkinson-Shiffrin Model, Control Processes, Indirect tests of memory

**6. Memory codes**

The Levels of Processing Theory, Supporting Evidence of the Levels of processing Theory, Criticisms and Modifications of the Theory, Encoding Specificity and Retrieval

**7. Visual images**

Visual Imagery and Learning, Evidence for Image in Performing Cognitive Tasks, Limitations of Images



## **8. Categorization**

Concept Identification, Natural Categories, Categories Novel Patterns

## **9. Everyday memory**

Introduction, Autobiographical memory, Eyewitness testimony

## **10. Language**

Three aspects of language, Psychology and grammar, Using semantic context in sentence Comprehension, Implication of sentences

### *Readings*

Cohen, G. (1977). *The Psychology of cognition*. NY: Academic Press. Inc.

Crider, A.B. Goethals G. R. Kavanaugh, R. D., and Solomon P. R. (1982). NY: *Psychology*. Scott, Foresman & Company.

Dodd, D.H. (1980). *Cognition*. USA: Allyn & Becon, Inc.

Eysenck, M. W. & Keane, M. T. (2005). *Cognitive Psychology: A Student's Handbook*. New York: Psychology Press. 5<sup>th</sup> edition.

Mayer R.E. (1981). *The promise of Cognitive Psychology*. USA: W.H. Freeman and Company.

Reed, S. K. (2007). *Cognition: Theory and Applications*. USA: Thomson, Wadsworth.

Reynolds, A.G. and Flagg, P.W. (1983). *Cognitive Psychology*. USA: Little, Brown and Company.