

Department of Psychology
University of Dhaka
PhD Syllabus for 2015-2016 and Onwards

1 (one) year course duration	Marks	Credit
PSY 701: Research Methods in Psychology	100	4
PSY 702: Family and Child Psychology	100	4
PSY 703: Viva Voce	100	4
	Total = 300*	12

*Pass marks in the above 1 (one) year course will be 50%; however, less than 30% marks in an individual course will not be counted.

PSY 701: Research Methods in Psychology
4 Credit

1. Introduction to Research in Psychology

- 1.1. Research problems and questions
- 1.2. Aim and hypothesis in research
- 1.3. Quantitative versus qualitative research and basic versus applied research
- 1.4. Preparing a research proposal
- 1.5. Ethical issues in psychological research and APA ethical codes
- 1.6. Psychological research involving children

2. Quantitative Research Methods

- 2.1. Advanced experimental design
- 2.2. Quasi-experimental research
- 2.3. cross-sectional or correlational research
- 2.4. Longitudinal study and cohort study
- 2.5. Survey research

3. Fundamentals of Testing and Measurement

- 3.1. Psychological tests: their use and construction
- 3.2. Reliability and validity
- 3.3. Practical strategies for psychological measurement
- 3.4. Coding data

4. Sampling

- 4.1. Sampling frame
- 4.2. Sampling strategies
- 4.3. Randomness & Randomized Controlled Trial
- 4.4. Sample size estimation
- 4.5. Sampling distribution
- 4.6. Sampling error and bias

5. Correlation and Regression

- 5.1. Positive, negative, linear, non-linear, low, moderate, strong and perfect correlation
- 5.2. The scatter diagram and bivariate correlation

- 5.3. Partial and semi-partial (or part) correlations
- 5.4. The method of least squares
- 5.5. Simple, multiple, logistic, and log-linear regression

6. Mediation and Moderation Analyses

- 6.1. Partial and complete mediation
- 6.2. Total, indirect, and direct effects
- 6.3. Simple and multiple mediations
- 6.4. Mediation analysis
- 6.5. Moderation analysis

7. Factor analysis

- 7.1. Use of factor analysis
- 7.2. Graphical representation of factors
- 7.3. Mathematical representation of factors
- 7.4. Basic terms used in factor analysis
- 7.5. Steps of factor analysis
- 7.6. Exploratory versus confirmatory factor analysis

8. Dissertation Writing

- 8.1. Dissertation writing: steps, chapters, tables, interpretation
- 8.2. Procedure of writing review: integration of findings
- 8.3. Interpreting research findings
- 8.4. Bibliography versus references

Readings

- American Psychological Association (1990). *Ethical Principles of American Psychologists*, 45, 390-395.
- American Psychological Association (2010). *Publication Manual of the American Psychological Association* (6th edition). Washington D.C.: American Psychological Association.
- Babbi, E. (1995). *The Practice of Social Research* (7th edition). New York: Wadsworth Publishing Company
- Bernard, H. R. (2000). *Social Research Methods: Qualitative and Quantitative Approaches*. California: Sage Publications Inc.
- Bernard, H. R. (2000). *Social Research Methods*. New Delhi: Sage Publications Inc.
- Booth, W. C., Colomb, G. G., & Williams, T. M. (1995). *The Craft of Research*. London: The University of Chicago Press.
- Craig, J. R. & Metze, L. P. (1986). *Methods of Psychological Research* (2nd Edition). California: Brook/Cole Publishing Company.
- Creswell, J. W. (2006). *Qualitative Inquiry and Research Design* (2nd Edition). London: Sage Publications Inc.
- Drew, C. J., Hardman, M. L., & Hart, A. W. (1996). *Designing and Conducting Research* (2nd Edition). Boston: Allyn and Bacon.
- Elifson, K. W., Runyon, R. P., & Haber, A. (1998). *Fundamentals of Social Statistics*. Boston: McGraw-Hill Book Company.
- Ferguson, G. A. (1981). *Statistical Analysis in Psychology and Education*. (5th Edition). New York: McGraw-Hill Book Company.
- Guildford, J. P. (1979). *Fundamental Statistics in Psychology and Education*. New York: McGraw-Hill Book Company.

- Howitt, D. & Cramer, D. (2011). *Introduction to Research Methods in Psychology (3rd Edition)*. Harlow, England: Pearson Education Limited.
- Kleinbaum, D. G., et al., (2013). *Applied Regression Analysis and Other Multivariable Methods*, North Scituate, Massachusetts: Duxbury Press.
- Shaughnessy, J. J., Zechmeister, E. B., & Zechmeister, J. S. (2003). *Research Methods in Psychology*. (6th Edition). New York: McGraw-Hill Book Company.

PSY 702: Family and Child Psychology

4 Credit

1. The Marriage

- 1.1 .The structure of marriage
- 1.2 .The interpersonal nature of marriage
- 1.3 .Marital and extramarital sexual expression
- 1.4 .The ending of marriage: divorced and remarriage
- 1.5 .Marriage counseling and couple therapy

2. The Nature of Families

- 2.1. The structure of family
- 2.2. Changes in the family
- 2.3. Consequences of change on families and children
- 2.4. The changing American family
- 2.5. Ethnic minority family

3. The Nurture of Families

- 3.1. Parenting styles
- 3.2. Parent-child interaction
- 3.3. Marriage and family relationship
- 3.4. Family therapy
- 3.5. Attachment Theory

4. Early Childhood Development

- 4.1. Cognitive development
- 4.2. Language/Communication development
- 4.3. Motor skills
- 4.4. Social development
- 4.5. Emotional development
- 4.6. The developing brain
- 4.7. Defining neurobehavioral development
- 4.8. Development through intervention

5. Problems of Normal Development

- 5.1. Developmental delay
- 5.2. Language problems
- 5.3. Socialization problems
- 5.4. Sleeping and eating problems
- 5.5. Elimination and temper problems

6. Neurodevelopmental Disorders of Children

- 6.1. Attention Deficit Hyperactivity Disorder
- 6.2. Autism Spectrum Disorder
- 6.3. Communication Disorders
- 6.4. Learning Disabilities
- 6.5. Language Disorders
- 6.6. Motor Disorders

7. Developmental Assessment in Children

- 7.1. Developmental assessment and screening
- 7.2. Assessment & screening instruments
 - 7.2.1. Bayley Scales of Infant and Toddler Development
 - 7.2.2. Ages & Stages Questionnaires
 - 7.2.3. Neuropsychological Assessment
 - 7.2.4. Mullen Scales of Early Learning

8. Mental Health Intervention for Family and Children

- 8.1. Behavior Therapy
- 8.2. Cognitive Behavior Therapy
- 8.3. Family System Therapy
- 8.4. Play Therapy
- 8.5. Psychodynamic Therapy

Readings

- Aiken, L. R. & Marnat, G. G. (2009). *Psychological Testing and Assessment* (12thed.). New Delhi: Dorling Kindersley.
- Anastasi, A. & Urbina, S. (2010). *Psychological Testing* (7th Ed). New Delhi: Pearson Education.
- Bell, R. R. (1983). *Marriage and Family Interaction* (6th edition), Illinois: The Dorsey Press.
- Berns, R. M. (1988). *Child, Family, Community* (2nd Edition), Florida: Harcourt Brace Jovanovich College Publishers.
- Bradley, R. H. & Mansell, L. W. (1997). *Children in Poverty*. In Ammerman, R. T. and Hersen, M. (ed.). *Handbook of Prevention and Treatment with Children and Adolescents* (Pp.13-58). New York: John Wiley & Sons Inc.
- Carr, A. (2016). *The Handbook of Child and Adolescent Clinical Psychology* (3rd Edition). London & New York: Routledge.
- Carlson, J. F., Geisinger, K. F., & Jessica, L.J. (2014). *The Nineteenth Mental Measurements Yearbook*, Lincoln NE: University of Nebraska Press.
- Hetherington, E.M. & Park R.D. (2008). *Child Psychology: A Contemporary Viewpoint* (7th edition), New York: McGraw Hill Books Co.
- Hurlock, E.B. (1978). *Child Development*. New York: McGraw-Hill Book co.
- Meisels, S.J. & Atkins-Burnett, S. (2005). *Developmental Screening in Early Childhood-5th Edition*, Washington D.C.: National Association for the Education of Young Children.
- Shonkoff, J. P., & Phillips, D. A. (2000). *From Neurons to Neighborhoods: The Science of Early Child Development*, Committee on Integrating the Science of Early Childhood Development, Washington D.C.: National Academy Press.
- Tomlinson - Keasey C. (1985). *Child Development*. Illinois: The Dorsey Press.

PSY 703: Viva Voce

4 Credit