

**BANARAS HINDU UNIVERSITY
DEPARTMENT OF PSYCHOLOGY**

**M.A./M.Sc. Psychology Syllabus
w.e.f. July, 2019**

**M.A. /M.Sc. Psychology Syllabus
w.e.f. July 2019**

The students enrolled for M.A./M.Sc. course in Psychology, Department of Psychology will be offered various courses/papers (of total 80 credits) during the four semesters. The various courses/papers offered during the first two semesters (first year of the study) will be of compulsory nature that aims to equip the students to undergo higher studies in the area of psychology. In the first semester the students will be offered four compulsory theory papers (each of 4 credits; total 16 credits) and a practical course based on the theory papers (2 credits). The course during the first semester is of 18 credits (refer to the course structure for details). In the second semester there will be four compulsory papers (each of 4 credits; total 16 credits) and a minor elective paper of 2 credits in addition to compulsory practical paper (of 2 credits) based on the theory papers. The course during the second semester is of 20 credits (refer to the course structure for details).

During the last two semesters (the second year of the study) the students will have choice to select courses/papers among the available courses/papers as per their interest and requirements. In the third semester, the students will be required to choose any four theory papers (each of 4 credits) among the available courses/papers (refer to the course structure for details) if they are not opting for dissertation. Those students who will opt for dissertation will be required to select any three theory papers among the available courses/papers. During this semester students will be required to study a compulsory minor elective paper of 2 credits in addition to practical paper of 2 credits. The total credit of the course during the third semester is 20. In the last semester (IV semester) students will opt any four theory papers from the available courses/papers (each of 4 credits) in addition to the compulsory papers of practical (2 credits) and comprehensive viva-voce (4 credits). The total course credit of this semester is 22.

The specific courses offered in third and fourth semester will be announced by the Department immediately prior to that semester based on the availability of expertise, number of teachers, choices given by the students and any other relevant factor. The decision to offer elective (optional courses) in the third and fourth semester and the minimum and maximum intake in the specific courses will be taken by the departmental council of the Department of Psychology. Thus, the availability of the courses/papers during the third and fourth semesters may vary from session to session and it is not mandatory for the department to offer all courses/papers listed for these semesters.

The student opting for dissertation will be required to present the written consent of the supervisor along with tentative title within the stipulated period. If the student fails to get the supervisor's consent then he/she will be required to opt any theory paper in lieu of dissertation.

Note:

- *M.A. Psychology students will opt for 2 minor electives of 2 credits each in Semester II, & III with at least one from the other Department of the Faculty of social Sciences.*
- *M.Sc. Psychology students will opt for 2 minor electives of 2 credits each in Semester II, & III with at least one from the other Departments of the Faculty of Science, Institute of Science.*

COURSE STRUCTURE
M.A./M.Sc. PSYCHOLOGY (w.e.f. JULY 2019)

FIRST SEMESTER

Paper No.	Title of the Paper	Credits
PSM 101	Advanced Biological Psychology	4
PSM 102	Advanced Cognitive Psychology	4
PSM 103	Advanced Research Methodology and Design	4
PSM 104	Advanced Social Psychology	4
PSM105	Practical: One practical from each of the above papers	2
		Total Credits 18

Note: All are compulsory papers

SECOND SEMESTER

Paper No.	Title of the Paper	Credits
PSM 201	Advanced Statistics	4
PSM 202	Applied Psychological Assessment	4
PSM 203	Motivation and Emotion	4
PSM 204	Psychology of Personality	4
PSM 205	Practical: One practical from each of the above papers	2
PSM 206	Minor Elective: Basic Psychological Processes	2
		Total Credits 20

Note: All are compulsory papers

- *M.A. Psychology students will opt for 2 minor electives of 2 credits each in Semester II, & III with at least one from the other Department of the Faculty of Social Sciences.*
- *M.Sc. Psychology students will opt for 2 minor electives of 2 credits each in Semester II, & III with at least one from the other Departments of the Faculty of Science, Institute of Science.*

THIRD SEMESTER

Any four papers from the available electives (without dissertation) OR any three papers (with dissertation) in addition to PSM 317 and 318.

Paper No.	Title of the Paper	Credits
PSM 301	Applied Social Psychology	4
PSM 302	Community Psychology	4
PSM 303	Counseling Psychology	4
PSM 304	Psychodiagnostics	4
PSM 305	Genetics, Environment and Behaviour	4
PSM 306	Health Psychology	4
PSM 307	Methods of Cognitive Neuropsychology	4
PSM 308	Neuropsychology	4
PSM 309	Military Psychology	4
PSM 310	Organizational Behaviour	4
PSM 311	Organizational Development and Change	4
PSM 312	Human Resource Management	4
PSM 313	Human Relations at Work	4
PSM 314	Cognitive Aging	4
PSM 315	Psychopathology	4
PSM 316	Psychopharmacology	4
PSM 317	Psychobiology of Emotion and Health	4
PSM 318	Psychology of Adolescence	4

PSM 319	Dissertation	4
PSM 320	Practical: One practical from each of the opted papers (Compulsory)	2
PSM 321	Minor Elective: Applications of Psychology in Human Life(Compulsory)	2
		Total Credits 20

FOURTH SEMESTER

Any four papers from the available electives in addition to PSM 417 (a) and PSM 417 (b).

Paper No.	Title of the Paper	Credits
PSM 401	Child and Adolescent Psychopathology	4
PSM 402	Animal Models of Human Behaviour	4
PSM 403	Cognitive Neuropsychology of Attention and Memory	4
PSM 404	Cross-Cultural Psychology	4
PSM 405	Drug and Behaviour	4
PSM 406	Environmental Psychology	4
PSM 407	Forensic Psychology	4
PSM 408	Human Factors	4
PSM 409	Neuroergonomics	4
PSM 410	Therapeutic Techniques	4
PSM 411	Positive Psychology	4
PSM 412	Psychology of Late Adulthood	4
PSM 413	Rehabilitation Psychology	4
PSM 414	Stress Management in organizations	4
PSM 415	Organizational Communication	4
PSM 416	Market Psychology	4
PSM 417	Industrial Relations	4
PSM 418	Occupational Health and Safety	4
PSM 419	Human Resource Development	4
PSM 420 (a)	Practical: One practical from each of the above papers (Compulsory)	2
PSM 417(b)	Comprehensive Viva-Voce (Compulsory)	4
		Total Credits 21

PSM 101 Advanced Biological Psychology

Credits 4

1. Biological foundation of psychology: Organization and functions of the brain and spinal cord; Genetic bases of behavior– chromosomes and genes.
2. Neurophysiology: Generation and conduction of action potential; synaptic transmission and neuromuscular transmission.
3. Endocrine glands and hormone products: Functions of different hormones. Hormonal imbalance and behaviour.
4. Sleep and circadian rhythm: Biological rhythms, states of sleep and disorders of sleep.
5. Drug and behaviour: Determinants of drug effects; drug abuse and addiction

Books recommended:

- Barrett, K.E., Barman, S.M., Boitano, S., & Brooks, H.L.(2012). *Ganong's review of medical physiology*. Tata McGrawHill.
- Carlson, N. (2013). *Physiology of behavior*. NJ: Pearson Education Inc.
- Hall, J.E. (2011). *Guyton & Hall Textbook of medical physiology*. Elsevier.
- Kalat, J.W. (2012). *Biological psychology*. CA: Wardsworth/Thomson Learning.
- Kolb, B. & Whinshaw, I.Q. (2013). *An introduction to brain and behavior*. New York: Worth Publishers.
- Pinel, J.P.J. (2013). *Biopsychology*. NJ: Pearson Education Inc.
- Toates, F. (2011). *Biological psychology*. NJ: Pearson Education Inc.
- Wickens, A. (2009). *Introduction to biopsychology*. New Jersey : Prentice Hall.

PSM 102 Advanced Cognitive Psychology**Credits 4**

1. Cognitive approach to psychology: Origin and current status of cognitive psychology, assumptions and methods of cognitive psychology.
2. Attention: Concept and mechanism; Types and theories.
3. Memory Processes: working memory, semantic, episodic, procedural, eye-witness and flashbulb memory, traumatic and false memory, everyday memory; Approaches to memory- information processing & connectionist.
4. Language processes: Acquisition, Comprehension and Production; Language and thought.
5. Decision Making and problem solving: Models & theories; Human problem solving strategies- heuristics and algorithmic; expert and novice problem solvers.

Books recommended:

- Baddley, A. (1997). *Human memory: Theory and practice*. New York: Psychology Press.
- Harley, Treror, A. (2002). *The psychology of language: From data to theory*. Taylor & Francis.
- Smith, E.E. & Kosslyn, (2007). *Cognitive psychology: Mind and brain*. Prentice Hall.
- Baddley, A., Eysenck, M. W., & Anderson, M. C. (2009). *Memory*. New York: Psychology Press.

PSM 103 Advanced Research Methodology and Design**Credits 4**

1. Psychological Research: Nature and purpose; Scientific approach to Psychology; Types of research- Descriptive, exploratory and causal research; Qualitative research methods; Ethical issues.
2. Psychological research process: Formulation of research problem and hypothesis; Choosing research design; Identifying variables; Control of extraneous variables; Sampling design and data collection; Data analysis and interpretation; Reporting research (APA style).
3. Research tools for data acquisition. Observation, interview, Questionnaires and tests.
4. Experimental research designs - Randomized groups, matched groups. Factorial designs- between and within group designs; a-priory and post-hoc comparisons
5. Non-experimental research designs: correlational, quasi experimental and ex-post-facto designs. Single subject design; longitudinal and cross-sectional designs

Books recommended:

- Breakwell, G.M., Smith, J.A., & Wright, D.B. (2012). *Research methods in psychology* (4th ed.). Sage.
- Bridget, S. & Cathy, L. (Eds.) (2008). *Research methods in the social sciences*. New Delhi: Vistaar Publication.
- Broota, K.D. (1992). *Experimental design in behavioural research*. ND: New Age International Pub.
- Cohen, L., Manion, L., & Morrison, K. (2000). *Research methods in education* (5th ed.). London: RoutledgeFalmer
- Dawson, C. (2002). *The practical research methods: A user-friendly guide to mastering research techniques and projects*. UK: How to Books Ltd.
- Elmes, D., Kantowitz, B., & Roediger, H. (2011). *Research methods in psychology* (9th ed). Cengage Learning.
- Nestor, P.G. & Schutt, R.K. (2011). *Research methods in psychology: Investigating human behavior*. Sage
- Winer, B.J., Brown, D.R. & Michels, K.M. (1991). *Statistical principles in experimental design*. NY: McGraw Hill.

PSM 104 Advanced Social Psychology**Credits 4**

1. Introduction: Current trends in social psychology, approaches to the study of social behavior, methodological and ethical issues.
2. Social Cognition: Heuristics and other short-cut strategies; effects of framing and anchoring; counterfactual thinking and mental simulation, affect and social cognition.
3. Social Categorization and Groups: Social identity and social comparison models, categorical differentiation and groups, group cohesiveness, group decision making. Leadership: emergence of leader, theoretical approaches to leadership, leader characteristics and effectiveness.
4. Social Influence Processes: Social norms, conformity to social norms, factors influencing conformity; compliance and its consequences; types and conditions of obedience, ethical issues.
5. Intergroup Relations: Relative deprivation, realistic conflict and social identity approaches, dynamics of intergroup behavior, structure and type of social conflicts, conflict resolution strategies.

Books recommended:

- Aronson, E., Wilson, T.D., & Akert, R.M. (2010). *Social psychology* (7th ed.). Upper Saddle River, NJ: Prentice Hall.
- Baron, R. A., Branscombe, N. R. & Byrne, D. (2009). *Social psychology* (12th ed.). New York: Pearson Education.
- Hayes, N. (2015). *Principles of social psychology*. New York: Psychology Press.
- Kassir, S., Fein, S., & Markns, H.R.(2013). *Social psychology*. Canada: Cengage Learning.
- Myer, D.G. (2012). *Social psychology* (11th ed.). New York: McGraw Hill.
- Sanderson, C.A., & Safdar, S. F. (2012). *Social psychology*. Ontario, Canada: John Wiley.
- Taylor, S.E., Peplau, L.A., & Sears, D.O. (2006). *Social psychology* (12th ed.). New Jersey: Pearson Education.

PSM 105 Practical	Credits 2
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Four practical selecting one from each of the four theory papers (PSM 101, PSM 102, PSM 103, & PSM 104).

PSM 101

1. Sleep disorders
2. Disturbance of circadian rhythm
3. Behavioral impact of hormonal imbalance
4. Behavioural/health impact of substance abuse/ drug addiction

PSM 102

1. Semantic memory
2. Episodic memory
3. Problem solving
4. Sustained attention: Temporal and spatial uncertainty
5. Selective attention

PSM 103

1. Construction of interview schedule
2. Construction of questionnaire
3. Planning a correlational study
4. Planning experimental study: Based on one way ANOVA design
5. Planning experimental study: Based on two way ANOVA design
6. Planning experimental study: Based on two way ANOVA design with repeated measure on last factor
7. Planning a quasi-experimental study
8. Planning a cross-sectional study

PSM 104

1. Social perception
2. Social conformity
3. Social conflict
4. Group cohesiveness/ Group decision making
5. Leadership

PSM 201 Advanced Statistics	Credits 4
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1. Introduction: Inferential statistics - Parametric and nonparametric.; univariate, bivariate and multivariate statistics; Data screening and preparation for statistical analysis
2. Analysis of group differences: Analysis of Variance- One way and factorial with two or more variables and Repeated measures, Post-hoc comparisons; Multivariate Analysis of Variance; Discriminant function analysis.
3. Exploring relationship: Multiple regression analyses -Simultaneous, hierarchical and Statistical strategies; Interpretation and tabular presentation of results.
4. Constructing and testing models: Exploratory factor analysis-Interpretation and tabular presentation of results; Confirmatory factor analysis.
5. Non-parametric statistics: Chi-Square, Median test, Wilcoxon test, Mann-Whitney U-test, Kolmogorov-Smirnov one- and two-sample tests, Kruskal-Wallis H test, Friedman two-way analysis of variance, Kendall's coefficient of concordance.

Books recommended:

- Broota, K.D. (1992). *Experimental design in behavioural research*. ND: New Age International Pub.

- Chadha, N. K. (1998). *Statistical methods in behavioural and Social Sciences*. ND: Relaince Pub. House.
- Field, A. (2005). *Discovering statistics using SPSS*. London: Sage Publications
- Meyers, L. S., Gamst, G. & Guarino, A.J. (2008). *Applied multivariate Research: Design and Interpretation*.
- Siegel, S. (1986). *Non parametric statistics*. NY: McGraw Hill.
- Tabachnick B.G., Fidell, L.S. (2007). *Using multivariate statistics* (5th Ed.). Prentice Hall.
- Winer, B.J., Brown, D.R. & Michels, K.M. (1991). *Statistical principles in experimental design*. NY: McGraw Hill.

PSM 202 Applied Psychological Assessment

Credits 4

1. Psychological assessment: Nature and purpose; Assessment, evaluation and testing; Principle of assessment; ethical considerations.
2. Construction of Test/Scale: Creating test items; Rational, empirical, factor analytic, and item analytic approaches to test construction.
3. Psychometric evaluation and standardization of test: Reliability, validity, and development of norms; issues and challenges
4. Applications of psychological tests: Testing and assessment in various settings-education, counselling and guidance, clinical, organizational and developmental.
5. Issues in testing and measurement: Response bias and response set; Cross-cultural issues –test equivalence and measurement bias; Test adaptation- translation – back translation method and statistical methods.

Books recommended:

- Aiken, L. R., & Groth-Marnet, G. (2009). *Psychological testing and assessment* (12th Ed.) New Delhi: Pearson Education.
- Gregory, R. J. (2011). *Psychological testing: History, principles, and applications* (6th edition). New Delhi: Pearson Education.
- Chadha, N. K. (2009). *Applied psychometry*. New Delhi: Sage.
- Jackson, C. (2003). *Understanding Psychological Testing*. Mumbai: Jaico Pub. House
- Kaplan, R. M., & Saccuzzo, D. P. (2012). *Psychological testing: Principles, applications and issues* (8th ed.). New Delhi: Cengage.
- Kline, T. J. B. (2005). *Psychological Testing*. New Delhi: Vistaar Publication
- Matsumoto, D. & van de Vijver, F J. R. (2011). *Cross-cultural research methods in psychology*. Cambridge: Cambridge University Press.
- Murphy, K.R. & Davidsofer, C. O. (2005). *Psychological testing: Principles and applications* (6th Ed.). NJ: Pearson Education.

PSM 203 Motivation and Emotion

Credits 4

1. Motivation: Nature and properties; Origin, development and present status. Conceptual issues; response dimension.
2. Theoretical framework: Murray and Maslow, intrinsic and extrinsic framework.
3. Emotion: Conceptual and theoretical issues, Cross-cultural differences in emotional expression and experiences.
4. Self-conscious emotion: Shame, guilt, embarrassment, pride; Positive emotions -optimism and hope.
5. Emotional intelligence: Concept, dimension and assessment.

Books recommended:

- Barret, L. F., Niedenthal, P.M., & Winkielman (2005). *Emotion and consciousness*. New York: The Guilford Press.
- Cofer, C. N., & Appley, M. H. (1964). *Motivation: Theory and Practice*. New York: Wiley
- Carr, A. (2008). *Positive Psychology: The science of happiness and human strengths*. New Delhi: Routledge
- Ekman, P. (2003). *Emotions revealed*. London: Weidenfield& Nicolson.
- Lewis, M., Haviland-Johns, J. M., & Barrett, L. F. (2008). *Handbook of Emotions*. New York: The Guilford Press.
- Kitayama, S. & Markus, H.R. (1994). *Emotion and culture empirical studies of mutual influence*. Washington, DC: American Psychological Association.
- Mandal, M.K. (2004). *Emotion*. New Delhi: East-West Press.

PSM 204 Psychology of Personality**Credits 4**

1. Personality: Concept and nature; Basic issues related to study of personality. Eastern perspective
2. Trait and Type approaches: Allport, Cattell, Eysenck, and Big-five model.
3. Psychodynamic and Psychosocial approaches: Freud and Erikson
4. Behaviouristic and Social Learning approaches: Skinner, Bandura and Mischel.
5. Humanistic and Phenomenological approaches: Rogers and Kelly.

Books recommended:

- Schultz, D.P. & Schultz, S.E. (2017). *Theories of Personality* (11th Ed.). Boston: Cengage Learning
- Friedman, H. S. & Schustack, M. W. (2016). *Personality: Classic Theory and Modern Research* (6th Ed.). Singapore: Pearson Education.
- Larsen, R. J., & Buss, D. M. (2013). *Personality Psychology: Domains of knowledge about human nature* (5th ed.). New York: McGraw Hill.
- Cervone, D. & Lawrence, P.A. (2013). *Personality Psychology* (12th Ed). New York: John Wiley & Sons.
- Cloninger S.C. (2012). *Theories of Personality: Understanding Persons* (6th International Ed.). Pearson Education
- Feist, J., Fiest, G. J., & Roberts, T.A. (2012). *Theories of Personality* (8th Ed). New York: McGraw Hill.
- De Piano, F. & Mukherjee, A. (2002). *Religious Theories of Personality and Psychotherapy*. N.Y.: Routledge Taylor & Francis Group.

PSM 205 Practical**Credits 2**

Four practical selecting one from each of the four theory papers (PSM 201, PSM 202, PSM 203, & PSM 204).

PSM 201

Practical based on this theory paper involves computation and tabular presentation and interpretation of results of statistical analysis. Thus, for each practical the concerned teacher may provide data and/or output of statistical analysis or the data obtained by students for any other practical (during this semester) may be pooled and provided for statistical analysis.

1. Data screening for univariate outliers (manual or computer based computation)
2. Data screening for multivariate outliers (using statistical software or electronic spreadsheet like MS – Excel)
3. Two-way ANOVA after testing the assumption of normality and equality of variance.
4. Post-hoc comparison (any two methods)
5. MANOVA*
6. Discriminant function analysis *
7. Factor analysis*
8. Non-parametric statistics (any two from the syllabus)

**These practical may involve computation with help of statistical software followed by tabulation and interpretation of results OR concerned teacher may provide output of statistical analysis and ask for tabulation and interpretation of results.*

PSM 202

1. Test/scale construction using factor analytic approach
2. Test/scale construction using item analytic approach
3. Test/Scale construction using empirical approach
4. Test adaptation
5. Psychometric evaluation of a test/scale
6. Psychological assessment (in any one specific setting e.g., clinical, organizational, educational etc.)

PSM 203

1. Extrinsic motivation and performance
2. Intrinsic motivation and performance
3. Feedback and performance
4. Assessment of emotional intelligence
5. Individual differences in perception of facial expression of emotion
6. Individual differences in expression of facial emotion
7. Optimism and its relation with positive affect

PSM 204

1. Personality assessment using any projective test
2. Assessment of Self & Ideal Self using Semantic differential
3. NEO PI-R (FFI) test
4. Cattell's 16 P.F.
5. Personality assessment from Indian perspective (triguna, anashakti etc.)

PSM 206 Minor Elective: Basic Psychological Processes

Credits 2

1. Psychology: Nature, scope, and methods.
2. Cognitive Process: Attention, perception and memory
3. Affective Processes: Motivation and Emotion-Nature and types.
4. Individual Differences: Intelligence and Personality

Books recommended:

- Baron, R. A. (2006). *Psychology* (5th Ed). New Delhi: Pearson Education
- Ciccarelli, S. K., & Meyer, G. E. (2009). *Psychology*. New Delhi: Pearson Education.
- Gerrig, R. J., & Zimbardo, P. G. (2006). *Psychology and life* (17th Ed.). New Delhi: Pearson Education.
- Coon, D., & Mitterer, J. O. (2007). *Introduction to psychology: Gateway to mind and behavior*. New Delhi: Cengage.
- Feldman, R. (2004). *Understanding psychology* (6th Ed.). New Delhi: McGraw Hill.

PSM 301 Applied Social Psychology

Credits 4

1. Introduction to applied social psychology: Definition, relationship with basic social psychology, historical developments and major concerns.
2. Social psychology and health: Health belief model, health compromising behaviors; health promotion, cognitive response and dual process models of persuasive change; stress and health.
3. Social psychology and environment: Human interaction with environment, environmental hazards and challenges; environmental attitudes, risk perceptions, encouraging pro-environmental behavior.
4. Aggression and violence: Conceptual issues and theoretical explanations; determinants; interpersonal and intergroup forms of aggression, dynamics of violence, strategies for reducing aggression and violence.
5. Social psychology and consumer behavior: Economic and social-psychological approaches, meanings of money, social beliefs and value systems, consumer socialization.

Books recommended:

- Baron, R. A., Branscombe, N. R. & Byrne, D. (2009). *Social psychology* (12th ed.). New York: Pearson Education.
- Myer, D.G. (2012). *Social psychology* (11th ed.). New York: McGraw Hill.
- Semin, G., & Fiedler, K. (1996). *Applied social psychology*. London: Sage.
- Taylor, S.E., Peplau, L.A., & Sears, D.O. (2006). *Social psychology* (12th ed.). New Jersey: Pearson Education.

PSM 302 Community Psychology

Credits 4

1. Introduction to Community psychology: Definition and perspectives; Development and practice of community psychology; Ecological levels of analysis in community psychology
2. Methods of community research: Aims of community psychology research: Qualitative, quantitative; integrating qualitative and quantitative methods.
3. Understanding communities: Individuals within environments; conceptual models of ecological context; importance of context for intervention; creating and altering settings. Nature, importance and context of community, human diversity, coping and stress in context.
4. Preventing problem behaviour and promoting social competence: Concepts of prevention and promotion, risk and resiliency. Implementing prevention and promotion programmes: issues and cultural diversity in programme implementation.
5. Promoting community and social change: empowerment and citizen participation; multiple forms of power; empowerment practices and settings. Community and social change; community organizing techniques; elements of effective community change initiatives.

Books recommended:

- Kloos, B., Hill, J, Thomas, E., Wandersman, A., Elias, M., & Dalton, J. H. (2012). *Community psychology: Linking individuals and communities* (3rd ed.). Wadsworth, Cengage Learning: Belmont, CA, USA.

- Naidoo, A., Pillay, J., & Bowman, B. (2007). *Community psychology*. Juta and Company Ltd.
- Orford, J. (1992). *Community psychology: Theory and practice*. Wiley.
- Rappaport, J. & Seidman, E. (2000). *Handbook of community psychology*. Springer Science & Business Media.
- Rudkin, J.K. (2003). *Community psychology: Guiding principles and orienting concepts*. Prentice Hall.

PSM 303	Counseling Psychology	Credits 4
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1. Counselling: Nature of counseling; Historical perspective; Ethical guidelines & issues in counselling.
2. Counselling approaches: Psychoanalytic; Person-centered; Existential, and Cognitive-behavioral.
3. Counsellor and the Counsee: Expectations and goals; Counsellor and counsee characteristics facilitating counseling process; Role and functions of the counselors.
4. Counselling process: External conditions and preparation; Structuring the counselling relationship; Counselling interview, Degrees of lead by the counselor; Interpreting counsellor's nonverbal behavior.
5. Areas of counselling: Educational, career, marital, and gerontological; Stress management oriented counselling; Counselling for terminal disease patients: cancer and HIV /AIDS.

Books recommended:

- Cormier, S., & Hackney, H. L. (2014) *Counseling Strategies and Interventions* (8th International Edition). Essex: Pearson Education Ltd.
- Gladding, S. T. (2013). *Counselling: A Comprehensive Profession*. New Delhi: Pearson Education
- Gelso, C. J., Williams, E.N., & Fretz, B.R. (2014). *Counselling Psychology* (3rd Ed). Washington: American Psychological Association.
- Erford, B. (2013) *Orientation to the Counseling Profession: Advocacy, Ethics, and Essential Professional Foundations* (2nd Ed.). London: Pearson.
- Fouad, N. A. (Ed) (2012). *APA Handbook of Counseling Psychology*. Washington: American Psychological Association..
- Woolfe, R., Dryden, W., & Strawbridge, S. (Eds.) (2010). *Handbook of Counselling Psychology* (3rd Ed). London: Sage Publication Ltd.
- Gibson, R.L. & Mitchell, M.H. (2015). *Introduction to Counselling and Guidance* (7th Ed.) . New Jersey: Pearson Education Inc.

PSM 304	Psychodiagnostics	Credits 4
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1. Psychodiagnostics: Nature and scope; Process and stages of diagnostic assessment; Differential diagnosis.
2. Clinical assessment: Definition and purpose; The art and science of interviewing, Interview and its types- intake, crisis, diagnostic interview; mental status examination; case history; Behavioural assessment – Nature, objectives, and methods used.
3. Assessment of intelligence: The Stanford-Binet Scale of intelligence – 5th ed., WAIS-IV, WISC-V; Diagnostic utility of intelligence tests – scatter analysis and other techniques.
4. Personality assessment: Psychometric and projective tests; MMPI-2, Revised Neo Personality Inventory (NEO-PI-R), Rorschach, TAT, Sentence completion techniques.
5. Neuropsychological assessment: Bender-Gestalt PGI Battery of Brain Dysfunction and Wechsler Memory Scale-IV.

Books recommended:

- Goldenberg, H. (1983). *Contemporary clinical psychology* (2nd Ed.) New York: Brooks & Cole.
- Gale, H.A. & Barran, A. R. (2004). *Essential of Stanford – Binet intelligence Scale (SB5) Assessment*. John Wiley & Sons.Inc.
- Weiss, L.G., Saklofske, D.H., Holdnack, J. A. & Prifitera, A. (2016). *WISC V Assessment and Interpretation*. Elsevier, USA
- Lichtenberger, E.O., & Kaufman, A.S. (2012). *Essentials of WAIS IV Assessment* (Second Edition). John Wiley & Sons.
- Prasad, D., & Verma, S.K. (1990). *Handbook of PGI Battery of Brain Dysfunction*. National Psychological corporation, Agra.
- Morrison, J. (2007). *Diagnosis made easier*. NY: Guilford Press.
- Neitzel, M. T., Bernstein, D. A., & Millich, R. (1998). *Introduction to clinical psychology*. (5th Ed.). Upper Saddle River, N. J.: Prentice Hall.
- Pridmore, S. (2000). *The psychiatric interview: A guide to history taking and mental status examination*. Amsterdam: Taylor & Francis.

- Trull, T. J. & Prinstein, M.J. (2013). *Clinical Psychology* (8th Ed.). Wadsworth, Cengage Learning.

PSM 305 Genetics, Environment and Behaviour

Credits 4

1. Nature versus nurture: Genetics, environment and cognition.
2. Methodologies for genetic association studies of cognition: Molecular genetics and bioinformatics; statistics methods; animal models.
3. Genetic approaches to individual differences: Intelligence; attention and cognitive control; cognitive aging.
4. Genetics of neuropsychiatric diseases: Genetics of dyslexia, schizophrenia, Alzheimer's disease, intellectual disability.
5. Genetics of non-cognitive aspect of behavior: Genetics of social and criminal behavior; Genetics of personality.

Books recommended:

- Eysenck, H.J. (1982). *Personality, genetics, and behavior: Selected papers*. Praeger.
- Goldberg, T.E., & Weinberger, D.R. (2009). *The genetics of cognitive neuroscience*. PHE: New Delhi.
- Greenwood, P.M., & Parasuraman, R. (2012). *Nurturing the older brain and mind*. MIT, London, England.
- Rutter, M. (2006). *Genes and behavior: Nature-Nurture interplay explained*. Wiley.
- Wasserman, D., & Wachbroit, R. (2001). *Genetics and criminal behavior*. Cambridge University Press.

PSM 306 Health Psychology

Credits 4

1. Health and wellbeing: Concept and indicators, Goals of health psychology, approaches to health: bio-medical, psychological and cultural.
2. Health behavior: Behavioral factors in health, Approaches to health behavior change: cognitive, behavioral and social engineering.
3. Health problems and their cognitive representation: General and chronic health problems; causal factors and explanations; health belief systems; HIV/AIDS.
4. Stress and coping: Conceptual models, Stress born health problems; coping strategies.
5. Management of health problems: Preventive, promotive and curative aspects of health; choice of medicinal systems; patient-doctor relationship, treatment adherence, alternative medicines

Books recommended:

- Baum, A., Revenson, T. A., & Singer, J. E. (2001). *Handbook of health psychology*. Mahwah, NJ: Lawrence Erlbaum.
- Marks, F. D., Murray, M., Evans, B., & Willig, C. (2000). *Health psychology: Theory, research and practice*. New Delhi: Sage.
- Marks, F. D., Murray, M., Evans, B., & Estacio, V. E. (2015). *Health psychology: Theory, research and practice* (4th Ed.) New Delhi: Sage.
- Sarafino, E. P. & Smith, T.W. (2013). *Health Psychology: Biopsychosocial Interventions*. New York: Wiley Global Education.
- Taylor, S.E. (2015). *Health Psychology* (9th Ed.). New York: McGraw Hill Education

PSM 307 Methods of Cognitive Neuropsychology

Credits 4

1. Experimental and cognitive Psychology methods: Neuropsychological testing, Clinical methods; Electro-chemical stimulation and perturbation methods.
2. Electrophysiological methods: EEG, ERP, Transcranial magnetic stimulation and Virtual lesions; single unit recordings.
3. Neuroimaging techniques: CAT, MRI, DTI, PET, MEG and optical brain imaging. Multi-methodological approaches.
4. Research design and analysis: Exploratory and hypothesis driven design; cognitive vs. stimulus-driven responses; Group comparison and experimental designs; Issues and limitations.
5. Behavioural-computational Methods: Overview of computational modeling – Parallel Distributed Processing, interactionist and connectionist models; Artificial neural network model

Books recommended:

- Constable, R.T. (2006). Challenges in fMRI and its limitations. In S.H. Faro, & F.B. Mohamed (Eds.), *Functional MRI: Basic principles and clinical applications*. New York: Springer.
- Gazzaniga, M.S., Ivry, R.B., & Mangun, G.R. (2009). *Cognitive neuroscience: The biology of the mind* (3rd ed.). New York, NY, Norton & Norton.

- Purves, D., Cabeza, R., Huettel, S.A., LaBar, K.S., Platt, M.L., & Woldroff, M.G. (2012). *Principles of cognitive neuroscience* (2nd ed.). Sunderland, MA, USA: Sinauer Associates Inc. Publishers
- Ulham, J.C. (2006). *Functional neuroimaging: Experimental design and analysis*. Book chapter in R. Cabeza & A. Kingstone (Eds.), *Handbook of functional neuroimaging of cognition* (2nd ed., pp. 53-82). Cambridge MA: MIT Press.
- Ward, J. (2010). *The student's guide to cognitive neuroscience*. New York: Psychology Press.
- Yarkoni, T., Poldrack, R.A., Van Essen, D.C., Wagner, T.D. (2010). Cognitive neuroscience 2.0: Building a cumulative science of human brain function. *Trends in Cognitive Science*, 14(11), 489-496.

PSM 308 Neuropsychology

Credits 4

1. Neuropsychology: Assumptions and methods. Functional modularity, anatomical, functional architecture, and substractivity.
2. Methods of investigations: Electrophysiological- Single cell recording, EEG and ERP; Scanning and imaging –CAT, PET, MRI and fMRI
3. Neuropsychological assessment: Neuropsychological Battery; Luria Nebraska Neuropsychological Battery, Halstead-Reitan Test Battery, AIIMS neuropsychological battery.
4. Neurodegenerative disorders: Parkinson's, Alzheimer, Huntington.
5. Deficits, Recovery, Adaptation and Rehabilitation: Neuropsychological deficits in stroke, head injury, tumors, epilepsy, Brain reorganization and plasticity, spontaneous recovery.

Books recommended:

- Gazzaniga, M. S. (2002). *Cognitive neuroscience: The biology of mind* (2nd Ed.). New York: W. W. Norton & Company.
- Kolb, B., Whisaw, I. Q. (1990). *Fundamentals of neuropsychology*. New York: Freeman, W.H.
- Naatanen, R. (1992). *Attention and brain function*. Hillsdale: LEA.
- Parsuraman, R. (1998). *Attentive brain*. London: MIT Press.
- Rapp, B. (Ed.) (2001). *The handbook of cognitive neuropsychology*. Chestnut Street: Psychology Press.

PSM 309 Military Psychology

Credits 4

1. Military psychology: Nature, scope, historical perspective, contemporary issues and emerging trends in military psychology, Ethical Issues in Military Psychology.
2. Selection and Training of Military Personnel: Identifying Essential Psychological Attributes- Intelligence and Aptitude Testing; Training and Practice in Military Specialty Psychology.
3. Social and Environmental Factors in military: Conformity, compliance and obedience, Value-based Leadership, Effects of extreme environmental conditions and deprivation on military performance.
4. Health issues and Psychological interventions in military context: Posttraumatic Stress Disorder, Depression, and Other Psychological Consequences of Military performances; Promoting Psychosocial Health, Building Soldier Resilience, Training Hardiness for Stress Resilience.
5. Military Challenges: Countering Terrorism: Interrogating Communication Oversight; The Future of Military Psychology; Future Warfare and Mind Control

Books recommended:

- Maheshwari, N., & Kumar, V. V. (2016). *Military Psychology: Concepts, Trends and Interventions*. Sage Publications: New Delhi.
- Hall, R., & Mangelsdorff, D. (1991). *Handbook of military psychology*. John Wiley: USA.
- Kennedy, C.H., & Zillmer, E.A. (2006). *Military psychology: Clinical and operational applications*. Guilford: New York, USA.
- Shalit, B. (1988). *The psychology of conflict and combat*. Praeger: NY.
- Reuven, G., Adavid, M., & S Dorff, .A.(1991). *Handbook of Military Psychology*. USA, John Wiley Sons.
- Bowles, S. V. & Bartone, P. T. (eds.) (2017). *Handbook of Military Psychology: Clinical and Organizational Practice*. Springer International Publishing.

PSM 310	Organizational Behaviour	Credits 4
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1. Introduction: Historical developments in OB, the organizational system; structural characteristics of organizations; organizational designs; challenges and opportunities for organizational behaviour
2. Leadership: Trait, behavioural, contingency, and contemporary theories; leadership styles and skills, contemporary issues in leadership
3. Power and politics in organizations: Bases of power and power tactics. Politics: Power in action, factors related with political behavior.
4. Conflict and negotiation: Intra-individual, interpersonal, and inter-group conflicts; conflict process; Negotiation strategies and process.
5. Organizational culture: Nature and types; developing and maintaining organizational culture and customer responsive culture; promoting ethics in organizational culture.

Books recommended:

- George, J. M. & Jones, G. R. (2005). *Understanding and managing organizational behavior* (4th Ed.). Upper Saddle River, NJ: Prentice Hall.
- Hellriegel, D., & Slown, J. W. (2004). *Organizational behavior*. South Western: Thompson
- Luthans, F. (2005). *Organizational behavior* (12th Ed.). New York: McGraw Hill.
- Riggio, R. E. (2003). *Introduction to industrial/organizational psychology* (4th Ed.). Upper Saddle River, NJ: Prentice-Hall.
- Robbins, S., Judge, T.A., & Sanghi, S. (2009). *Organizational behavior*. (13th Ed.). New Delhi: Pearson Education.

PSM 311	Organizational Development and Change	Credits 4
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1. Introduction to Organizational Development: Nature and scope of organizational development, Management of change.
2. Management of Organizational Development: Foundations, Process and action research.
3. Organizational Development Interventions: Team, Third-party, Training experiences.
4. Management of change: Organizational structure, Organizational culture, Employee relations and involvement strategies.
5. Evaluating change and future of Organizational Development.

Books recommended:

- Thornhill, A., Lewis, P. Millmore, M., & Saunders, M. (2000). *Managing Change: A human resource strategy approach*. New Delhi: Pearson Education.
- Colenso, M. (2000). *Successful organizational change: Evolution and revolution in the organization*. New York: Financial Times Prentice Hall.
- Nilakant, & Ramanarayan, S. (1998). *Change management: Altering mindsets in a global context*. New Delhi: Response Books.
- Burnes, B. (2017). *Managing change* (7th Ed.). New York: Pearson
- French, W. L., Bell, C. H., & Vohra, V. (2006). *Organisation development*. New Delhi: Pearson Education
- McLean, G. N. (2006). *Organization Development: Principles, Processes, Performance*. San Francisco: Barret-Koehler

PSM 312	Human Resource Management	Credits 4
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1. Fundamentals of HRM: Foundation, nature, functions. HRM in changing environment – strategic and international human resource management; ethical issues
2. Acquisition of human resource: Planning, assessment of demand, job analysis, selection process.
3. Career management: Socialization of employees, determining training needs, methods/techniques of training and management development, evaluation of training programs; stages of career development, effective career development.
4. Performance management: Performance appraisal, system, process and methods of appraisal, distortion in appraisal, creating effective appraisal systems.
5. Reward management: Motivational perspectives, job characteristics model, rewarding productive employees; compensation administration; benefits and services; empowerment.

Books recommended:

- Beardwell, I & Holden, L. (1996). *Human resource management: A contemporary perspective*. New Delhi: Macmillan India Ltd.

- Bhatia, S. K., & Singh, N. (2000). *Principal techniques of personnel management/ human resource management* (2nd Ed.). New Delhi: Deep & Deep Publications Pvt. Ltd.
- DeCenzo, D. A., & Robbins, S. P. (1999). *Human resource management* (6th Ed.). New York: John Wiley.
- Dwivedi, R. S. (1997). *Managing human resources: Personnel management in Indian enterprises*. New Delhi: Galgotia Publishing Company.
- Hersey, P. Blanchard, K. H. & Johnson, D. E. (1996). *Management of organizational behavior: Utilizing human resource* (7th Ed.). New Delhi: Prentice Hall of India Pvt. Ltd.
- Dessler, G. & Varkkey (2009). *Human Resource management*, Delhi: Dorling Kindersley Pvt. Ltd. (India).

PSM 313 Human Relations at Work

Credits 4

1. Self-awareness at work: Human relations and self, self-esteem and self-confidence. Self-motivation and goal setting.
2. Interpersonal skills: Dealing effectively with people, Emotional intelligence, attitudes and happiness; Values and ethics; Problem solving and creativity.
3. Communication Skills: Communication in the Workplace; Specialized Tactics for Getting Along with Others in the Workplace;
4. Leadership Skills: Managing Conflict; Becoming an Effective Leader; Motivating Others and Developing Teamwork; Diversity and Cross-Cultural Competence
5. Developing Career Thrust: Getting Ahead in Your Career, Learning Strategies, Perception, Career-span Changes, Developing Good Work Habits.

Books recommended:

- Dubrien, A. J. (2017). *Human relations for career and personal success: Concepts, applications, and skills* (11th Ed.). Upper Saddle River, NJ: Pearson.
- Hodgetts, R. M. & Hegar, K. W. (2008). *Modern human relations at work* (10th Ed.). Mason, OH: Thomson: South Western.
- Lussier, R. N. (2018). *Human relations in organizations: Applications and skill building*. New Delhi: McGraw Hill.

PSM 314 Cognitive Aging

Credits 4

1. Psychology of Aging: Concepts; theoretical issues. Changes in physical, cognitive, personality and social aspects.
2. Theories of aging: Biological, modernization, disengagement, activity, continuity and exchange theories.
3. Aging and cognitive processes: Executive functions and cognitive aging; Neuroplasticity, aging and cognitive functions. Aging, executive control, and attention.
4. Aging and memory: Varieties of memory aging; Memory changes and aging brain; related explanation; Autobiographical memory and the narrative self. Intervention for memory and cognitive aging.
5. Everyday problem solving and decision making: Definitional, theoretical and operational issues. Age, cognition, and functional relatedness; cognition and intelligence. Cognitive aging and everyday life. Future directions.

Books recommended:

- Birren, J.e.& Schale, K.W. (2006). *Handbook of the psychology of* Burlington, MA: Elsevier Academic Press.
- Craik, F.I.M., & Tiemorth, A. (2011). *The handbook of aging and cognition*. Psychology Press.
- Hofer, S.M. & Alwin, D.E. (2008). *Handbook of cognitive aging: Interdisciplinary perspectives*. London: Sage.
- Park, D.C. Hall, G.A. (2000). *Cognitive aging and everyday life*. In N Charness, D.C.Park, & B.Sabel (Eds.), *Aging and communication*. New York: springer.
- Schale, L.W. & Willis, S.L. (2011). *Handbook of the psychology of* Burlington, MA: Elsevier Academic Press.

PSM 315 Psychopathology**Credits 4**

1. Classification systems in psychopathology: ICD-10 and DSM-5; Approaches to psychopathology: Biological, psychodynamic, behavioral, cognitive, and social constructionist.
2. Anxiety Disorders: Specific phobia, Panic, Generalized Anxiety Disorders; Obsessive-Compulsive disorders.
3. Trauma and Stress Related disorders: PTSD, Adjustment Disorder. Dissociative Disorders: Dissociative Identity Disorder, Dissociative Amnesia, Depersonalization / Derealization Disorder.
4. Schizophrenia Spectrum Disorders: Schizophreniform Disorder, Schizophrenia, Schizoaffective Disorder, Catatonia.
5. Bipolar and Related Disorders: Bipolar I, Bipolar II & Cyclothymic Disorder; Depressive Disorders: Disruptive Mood dysregulation disorder, Major Depressive Disorder, Dysthymia.

Books recommended:

- American Psychiatric Association (2013). *Diagnostic and statistical manual of mental disorders:DSM-5*. American Psychiatric Pub.
- Barlow, D. H. & Durand, V. M. (2016). *Abnormal psychology: An integrative approach* (7nd Ed). Cengage Learning
- Buss. A. H. (1999). *Psychopathology*. New York: John Wiley.
- Butcher, J. N., Mineka, S., & Hooley, J. M. (2017). *Abnormal psychology*. Pearson Education India.
- Kaplan, H. J., & Sadock, B. J. (2004). *Synopsis of comprehensive textbook of psychiatry* (10th Ed.). Baltimore: Williams & Wilkins.
- Sarason. I. G. & Sarason, B. R. (2006). *Abnormal psychology*. (11thEd). Delhi: Prentice Hall India.

PSM 316 Psychopharmacology**Credits 4**

1. Principles of psychopharmacology: pharmacokinetics, and pharmacodynamics.
2. Classification of psychoactive drugs and their effects.
3. Techniques in neuropharmacology: Microdialysis, autoradiography, immunocytochemistry, and in-situ hybridization.
4. Chemical signaling by neurotransmitters, neurotransmitter receptors and second-messengers systems.
5. Techniques in behavioral pharmacology: measures of motor activity, analgesia, fear, anxiety, reward, learning and memory.

Books recommended::

- Bloom, F.E., Iverson, S.D., Roth, R.H., & Iversen, L.L. (2008). *Introduction to neuropsychopharmacology*. New York: Oxford university Press.
- Ettinger, R.H. (2010). *Psychopharmacology*. NJ: Pearson education, Inc.
- Julien, R.M., Advokat, C.D. & Comaty, J.E. (2011). *A primer of drug action*. New York: Worth publisher.
- Mckim, W.A. & Hancock, S. (2012). *Drugs and behavior: Introduction to behavioral pharmacology*. Pearson.
- Meyer, J.S. & Quenzer, L.F. (2013). *Psychopharmacology: Drugs, the brain and behavior*. MA: Sinauer Associates, Inc.

PSM 317 Psychobiology of Emotion and Health**Credits 4**

1. Growth and development of the nervous system: Phases of neurodevelopment, postnatal cerebral development, effects of experience, disorders of neurodevelopment; neuroplasticity and its implications for mental health.
2. Hemispheric specialization and dominance: Anatomy and physiology of hemispheric differences, Hemispheric asymmetry in stress, immunity, psychopathology, neurological and pediatric disorders.
3. Emotion: Response patterns, communication, feelings, brain areas that mediate emotion
4. Stress and health: Stress responses, consequences of prolonged stress, stress and immune system.
5. Effects of commonly abused drugs: nicotine, alcohol, marijuana, heroin and cocaine.

Books recommended::

- Andreassi, J.L. (2006). *Psychophysiology: Human behavior and physiological response*. Lawrence Erlbaum Associates, Inc.
- Beatty, J. (2000). *The human brain: Essentials of behavioral neuroscience*. Sage publications, Inc.
- Hugdahl, K. & Westerhausen, R. (2010). *The two halves of the brain: Information processing in the cerebral hemispheres*. Cambridge: The MIT Press.
- Kolb, B., & Whishaw, I.Q. (2001). *An introduction to brain and behavior*. Worth publishers.

- Martin, G.N. (2006). Human neuropsychology. Pearson.
- Stirling, J. (2008). Introducing neurophysiology. Psychology Press.
- Wood, S.J., Allen, N.B., & Pantelis, C. (2009). The neuropsychology of mental illness. Cambridge University Press.

PSM 318 Psychology of Adolescence

Credits 4

1. Puberty and adolescence: Concept and characteristic features; Developmental tasks
2. Physical changes: Perception and reaction of adolescents to physical changes.
3. Social development: Relationship with parents, Achieving independence from parents; Relationship with peers; Moral development: Kohlberg and Loevinger's models.
4. Personality development: Search and development of Identity, ethnic identity; Self-esteem.
5. Psychosocial problems of adolescence: Major stressors; Reaction to Stressors: depression, aggression, suicidal behaviour, and drug abuse.

Books recommended:

- Kail, R.V. & Cavanaugh, J.C. (2016). *Human Development: A Life Span View*. Boston: Cengage Learning
- Santrock, J. (2015). *Adolescence* (16th Ed.) NY: McGraw-Hill Education
- Shaffer, D. R., & Kipp, K. (2014). *Developmental Psychology: Childhood & Adolescence* (9th Ed.). Belmont: Wadsworth Cengage Learning
- Berk, L. E. (2013). *Development through the Lifespan*. India: Pearson Education.
- Lerner, R. M. & Steinberg, L. (Eds.) (2009). *Handbook of Adolescent Psychology* (3rd Ed.), Vols I & II. NY: John Wiley & Sons.

PSM 319 Dissertation

Credits 4

The maximum intake for dissertation will be 20% of the actual intake in the second semester of M.A./M.Sc. psychology course. The allotment of supervisor will be done by the Departmental Council of the Department of Psychology based on merit index of the First semester examination. . Preference will be given to supervisor's consent during the allotment process. In no case more than two candidates will be allotted to a supervisor.

Students opting dissertation in this semester will be required to give their preference for this paper in the second semester and submit the title along with the written consent of the supervisor in a stipulated period. Further, the candidate will be required to submit the brief write up of the plan proposal before summer vacation. If the candidate fails to submit the written consent of the supervisor and plan proposal in the stipulated time frame then he/she will not be allowed to opt dissertation in the third semester. In such case the candidate, however, will have a choice to opt any theory paper in the third semester in lieu of dissertation.

The preliminary work for dissertation (e.g., planning the research, selecting tools, etc.) should be started preferably during the second semester in consultation with the concerned supervisor and data collection may be started after second semester examinations. The remaining work and writing of the dissertation should be completed during the third semester and the dissertation must be submitted before the commencement of theory examination of the third semester.

The dissertation work may involve laboratory research, field work, survey research, case study or any other type of psychological research. Further, it may include one large study/experiment or several studies/experiments depending on the objectives of the research. The writing of dissertation must be in accordance with the Publication Manual of the American Psychological Association and should be within 60 to 80 pages including references and appendices.

The evaluation of the dissertation will be done in 100 marks (70 marks + 30 marks of sessional). The sessional component will be evaluated by the concerned supervisor .The end term evaluation (in 70 marks) will be done by a board of examiners. The end term evaluation in 70 marks will include the literary and scientific presentation of the dissertation and the performance in the viva-voce.

PSM 320 Practical**Credits 4***Any one from each of the opted electives*

PSM 301	Applied Social Psychology	Cognitive influence on perception Environmental attitude Risk perception Assessment of aggression
PSM 302	Community Psychology	Ecological level analysis of community Assessment of stress and coping in community setting Assessment/comparison of risk perception in community setting Assessment of resilience in community setting
PSM 303	Counseling Psychology	Conducting counselling interviews Educational counselling at secondary level Assessment of Academic/ career related stress Group counselling in school setting
PSM 304	Psychodiagnostics	Rorschach Test/SIS T.A.T. NEO-FFI Case study*
PSM 305	Genetics, Environment and Behaviour	Environment and cognition – development of cognitive map Spatial cognition Genetics and intelligence: evidence for heritability Genetic/environmental factors in criminal behavior
PSM 306	Health Psychology	Health belief Gender and health Psychological correlates of health Pathogenic health habits
PSM 307	Methods of Cognitive Neuropsychology	Neuropsychological testing (one case) 10-20 international system of electrode placement for EEG recording Development of experimental protocol for EEG/ERP study Comparison of neuropsychological functioning using group comparison design
PSM 308	Neuropsychology	Cortical arousal and vigilance performance Heart rate variability (HRV) and performance Hemispheric specialization and performance Assessment of brain activity by Luria Nebraska
PSM 309	Military Psychology	Vigilance and monitoring performance Conformity/ compliance/ Obedience Assessment of Personality/ interest/ aptitude for military personnel selection Assessment of depression/ combat stress/ post-traumatic stress in military personnel
PSM 310	Organizational Behaviour	Conflict resolution/ job attitudes Job involvement Leadership/ supervision Functional social support
PSM 311	Organizational Development & Change	Organizational Climate Psychological participation Personal efficacy scale Organizational culture
PSM 312	Human Resource Management	Performance appraisal Training Effectiveness Work motivation Selection Process
PSM 313	Human Relations at Work	Self-Esteem at Work Emotional Intelligence Team Development Communication Effectiveness

PSM 314	Cognitive Aging	Physical/cognitive changes in elderly Assessment of memory in elderly Assessment of executive functions in old age
PSM 315	Psychopathology	Rorschach /T.A.T. / S.I.S (1 normal & 1 psychopathological case) Measurement of neuroticism (2 cases) Measurement of anxiety/depression (2 cases) DSM- IV diagnostic criteria (2 cases)
PSM 316	Psychopharmacology	Effects of drugs on exploratory behaviour in albino rats Effects of drugs on simple learning in albino rats Effects of drugs in staircase test Effects of drugs in elevated T-maze test
PSM 317	Psychobiology of emotion and health	Stress response Assessment of hemispheric preference Stress and immune competence Behavioural/ cognitive/ health effects of nicotine/alcohol abuse
PSM 318	Psychology of Adolescence	Assessment of self-efficacy/Assessment of coping behavior Assessment of resilience /Assessment of Academic stress Assessment of moral reasoning Assessment of parent-adolescent relationship

PSM 321 Minor Elective: Application of Psychology in Human Life

Credits 2

1. Applied psychology: nature and scope.
2. Mental health and well-being: Concept and indicators; techniques for improving mental health and well-being.
3. Stress: Concept, stress disorders, coping strategies
4. Psychological Interventions for Social problems: Prejudice, social conflicts, crime & delinquency, drug addiction

Books recommended:

- 1- रस्तोगी, जी. डी. (1992). व्यावहारिक मनोविज्ञान। आगरा: हरप्रसाद भार्गव।
- 2- सिंह, ए. पी. (2014). व्यावहारिक मनोविज्ञान। नई दिल्ली: पियरसन।
3. Anastasi, A. (1979). Fields of applied psychology. New Delhi: McGraw Hill.
4. Goldstein, A. P., & Krasner, B. (1987). Modern applied psychology. Elmford, New York: Pergmon Press.
5. McCormick, E.J., & Ilgen, D. (1980). Industrial psychology. Englewood Cliffs, N.J.: Prentice Hall.

PSM 401 Child and Adolescent Psychopathology

Credits 4

1. Introduction: Historical overview; Adolescent and child psychopathology in DSM classifications.
2. Risk Factors: Biological: prenatal factors, birth complications, Genetic factors, and brain injury; Psychosocial: Child maltreatment and Dysfunctional family relationships.
3. Externalizing Disorders: Attention deficit/hyperactivity disorder (ADHD), oppositional defiant disorder, conduct disorder, substance abuse.
4. Internalizing Behavior Disorders: Anxiety disorders: obsessive-compulsive disorder, specific phobia, separation anxiety, and selective mutism; Childhood depression.
5. Other Psychological Disorders: Autistic disorder; Childhood-onset Schizophrenia; Intellectual Disability; Specific learning disorders; Tourett's syndrome.

Books recommended:

- Weis, R. (2018). *Introduction to Abnormal Child and Adolescent Psychology* (3rd Ed.). Thousand Oaks: Sage Publications, Inc.
- Wilmschurst, L. (2018). *Child and Adolescent Psychopathology: A Case Book* (4th Ed.). Thousand Oaks: Sage Publications, Inc.
- Beauchaine, T. P. & Hinshaw, S.P. (Eds.) (2017). *Child and Adolescent Psychopathology* (3rd Ed.). N.J.: John Wiley & Sons.
- Mash, E. J. & Wolfe, D. A. (2016). *Abnormal Child Psychology* (6th Ed.). Boston: Cengage Learning.
- Wicks-Nelson, R. & Israel, A.C. (2016). *Abnormal Child and Adolescent Psychology: DSM-5 Update* (8th Ed.), N.Y.: Routledge Taylor & Francis Group.
- Wilmschurst, L. (2015). *Essentials of Child and Adolescent Psychopathology* (2nd Ed.). N.J.: John Wiley & Sons.

PSM 402	Animal Models of Human Behavior	Credits 4
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1. Neurobiological techniques for assessing the CNS: Stereotaxic surgery, patch-clamp electrophysiology, radioligand binding, receptor autoradiography, radioimmunoassay, in situ hybridization.
2. Animal models of anxiety: Conflict test, social interaction test, elevated plus-maze test, conditioned test aversion, conditioned defensive burying.
3. Animal models of aggression: isolation-induced, resident-intruder, pain-elicited, brain-stimulation induced, brain-lesion induced, frustration-induced, extinction-induced, drug-induced.
4. Animal models of human neuropsychological diseases: Kindling model of epilepsy, MPTP model of Parkinson's disease, Transgenic mouse model of Alzheimer's disease, Prepulse inhibition of startle model schizophrenia.
5. Animals model of depression: drug-induced, learned helplessness, forced swim test, maternal separation.

Books recommended:

- Hedges, D., & Burchfield, C.(2006). *Mind, brain and drug*. Allyn & Bacon.
- Papini, M.R. (2008). *Comparative psychology: Evolution and development of behavior*. Psychology Press.
- Pearce, J.M. (2008). *Animal learning and cognition: An introduction*. Psychology Press.
- Pierce, P.D., & Cheney, C.D. (2013). *Behavior analysis and learning*. Psychology Press.
- Richard, G.(2005). *Psychology: The science of mind and behavior*. Hodder Arnold.

PSM 403	Cognitive Neuropsychology of Attention and Memory	Credits 4
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1. Mechanism of attention: Attention vs. pre-attentive processing; object of attention; perceptual organization and attentional search in cognitive deficits. Control of attention and brain regions involved in attentional control; Visual and auditory spatial attention; Neural effects of attending to non-spatial stimulus attributes; Neural effects of attention across sensory modalities.
2. Disorders of attention: Confusional states; partial attention syndrome; hemispatial neglect.
3. Memory: Neural basis of memory; Declarative memory; Nature of medial temporal lobe representation, cortical regions storing semantic and episodic memory representations; Contributions of prefrontal cortex and posterior parietal cortex to encoding and retrieval; Memory consolidation.
4. Disorders of memory: Amnesia and its causes; Anterograde and retrograde amnesia; other types of memory disorders; rehabilitation of memory disorders.
5. Cognitive neuropsychology of consciousness: Cognitive theories of consciousness; forms of consciousness; neuroscience of consciousness.

Books recommended:

- Purves, D., Cabeza, R., Huettel, S.A., LaBar, K.S., Platt, M.L., & Woldroff, M.G. (2012). *Principles of cognitive neuroscience* (2nd ed.). Sunderland, MA, USA: Sinauer Associates Inc. Publishers.
- Rapp, B. (2001). *The handbook of cognitive neuropsychology*. Ann Arbor, MI: Taylor & Francis.
- Cohen, R. A. (2014). *The neuropsychology of attention* (2nd ed.). New York: Springer Verlag.
- Squire, L. A. & Schacter, D.L. (2002). *Neuropsychology of memory* (3rd ed.). New York: Guilford Press.
- Eichenbaum, H. (2011). *Cognitive neuroscience of memory: An introduction*. New York: Oxford University Press.

PSM 404	Cross-Cultural Psychology	Credits 4
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1. Culture and behaviour: Concept of culture; mechanisms of cultural transmission.
2. Methods of cross-cultural psychology: Types of cross-cultural studies, etic and emic approaches; sampling and measurement issues; translation and back translation procedures.
3. Culture and cognition: Major issues, Cultural influences on perception, memory and problem solving; everyday cognition.
4. Culture and emotion: Basic emotions, recognition and judgment of emotions, cultural display rules, cultural construction of emotional experiences.
5. Cultural change and adaptations: Acculturation framework, measurement of acculturation, psychological and socio-cultural adaptations: behavior shifts and acculturative stress.

Books recommended:

- Berry, J. W, Poortinga, Y. H., Segall, M. H., & Dasen, P. R. (2002). *Cross-cultural psychology: Research and application*. New York: Cambridge University Press.
- Berry, J. W. et al. (Eds.). (1997). *Handbook of cross-cultural psychology* (2nd Ed.) (Vol 1-3), Boston: Allyn & Bacon.

- Heine, S.J. (2015). *Cultural Psychology*. New York: W.W. Norton. Co.
- Matsumoto, D. (2001). *The handbook of culture and psychology*. New York: Cambridge University Press.
- Matsumoto, D., & Juang, L. (2013). *Culture and Psychology*. Belmont Wadsworth: Cengage.
- Shiraev, E., & Levy, D. (2016). *Cross-cultural psychology. Cross-cultural psychology: Critical thinking and contemporary applications*. New York: Routledge.

PSM 405 Drug and Behaviour

Credits 4

1. Synaptic transmission and drug effects: Effect on production, storage, release, reuptake and destruction of neurotransmitters. Effect on transporters, autoreceptors and postsynaptic receptors.
2. Psychopharmacology of sleep disorders: insomnia, narcolepsy, sleep waking schedule disorder and dysfunctions associated with partial arousals.
3. Sex-specific and reproductive function related psychopharmacology.
4. Psychopharmacology of aggression: intraspecies and interspecies aggression, hormones and neurotransmitters mediating aggression, paradigms, and drug effects.
5. Effects of inhalants, gamma-hydroxybutyrate, anabolic steroids, LSD, mescaline, psilocybin, phencyclidine, and ketamine.

Books recommended:

- Grilly, D.M. & Salamone, J. (2011). *Drugs and behavior*. Pearson education.
- Levinthal, C.F. (2013). *Drugs, behavior and modern society*. Pearson Higher education.
- Perry, P.J., Alexander, B., Liskow, B., & De Vane, C.L. (2006). *Psychotropic drugs handbook*. Lippincott Williams & Wilkins.
- Preston, J., & Johnson, J. (2011). *Clinical psychopharmacology made ridiculously simple*. Medmaster Inc.
- Stahl, S.M. (2013). *Stahl's essential psychopharmacology: Neuroscientific basis and practical applications*. Cambridge University Press.

PSM 406 Environmental Psychology

Credits 4

1. Introduction: Nature, scope, history and focus of environmental psychology; Scientific method; models and theories of environment behavior relationship.
2. Environmental perception and cognition: environmental perception; spatial cognition; environmental values and attitudes, attachment and identity; appraisal and assessment, personal space, privacy and territoriality.
3. Environmental stress and health: Environmental stress, crowding, noise and overpopulation; effects of physical environment on health.
4. Weather and climate issues: Weather and climate, seasonality, natural and technological disasters, environmental risk perception.
5. Environmental problems and solutions: Psychology of environmental problems; sustainability, common dilemma, solution to environmental problems, sustainable design; designing more habitable environments.

Books recommended:

- Bell, P., Greene, T., Fisher, J., & Baum, A. (2001). *Environmental Psychology* (5th ed). NY: HarcourtBrace, Inc.
- Gifford, R. (2007). *Environmental psychology: Principles and practice*. Optimal Books.
- Winter, D. D., & Koger, S. (2004). *The Psychology of Environmental Problems* (2nd ed.). Mahwah, NJ: Lawrence Erlbaum Associates.

PSM 407 Forensic Psychology

Credits 4

1. Introduction to Forensic Psychology: Historical overview, Functions of Forensic Psychologists, Ethical Dilemma and APA's Code of Ethics for Forensic Psychologists, Applications of Forensic Psychology- Personality Profiling, Risk Assessment & Violence Prediction.
2. Psychology of Crime: Developmental Theories and Psychobiological bases of crime, Understanding the criminal personality- antisocial personality, psychopath & sociopath.
3. Psychological Investigation of Crime: Interrogation Vs Interview, Interviewing Children, Women and older persons; Scientific Lie Detection: Polygraph, Verbal & Non-Verbal Cues, Hypnosis and Narcoanalysis; Eyewitness Testimony and Expert Testimony.
4. Psychology of Violence: Domestic violence and Battered Women Syndrome, Rape Trauma Syndrome and Post traumatic Stress Disorder, Child Abuse and Bettered Child Syndrome, Victim Psychology.
5. Correctional Psychology: Coping with criminal victimization, rehabilitation of victim and offender.

Books recommended:

- Bartol, C. R. & Bartol, A. M. (2004). *Introduction to forensic psychology*. Thousand Oaks, CA: Sage Publications.
- Brown, J. M., & Campbell, E. A. (Eds.) (2010). *The Cambridge handbook of forensic psychology*. Cambridge, England: Cambridge University Press.
- Costanzo, M. & Krauss, D. (2010). *Legal and forensic psychology*. New York: Worth Publishers.
- G., Hollin, C., & Bull, R. (Eds.) (2008). *Forensic psychology*. Chichester, England: John Wiley & Sons, Ltd.
- Huss Matthew T. (2009). *Forensic psychology: Research, clinical practice, and applications*. West Sussex, UK: Wiley-Blackwell.
- Joanna R. Adler, Jacqueline M Gray (Eds) (2010) *Forensic psychology*, N.Y.: William Publishing,
- Towl, Graham J., & Crighton, David A. (Eds) (2010) *Forensic psychology*, West Sussex: N.J. John Wiley & Sons Ltd.
- Weiner, Irving B. & Hess, Allen K. (Eds) (2006) *Handbook of Forensic Psychology*, N.J. John Wiley & Sons Ltd.

PSM 408 Human Factors**Credits 4**

1. Human Factors and Ergonomics: Definition, historical overview, man-machine interface, Video Display Terminal.
2. Human Performance: Nature and aim, historical roots; Computational metaphor for human information processing: Limitations and Application
3. Human interaction with automation in various contexts: Automation definition, aircraft piloting, air-traffic control, automobiles and highway systems.
4. Human error: Approaches to human error, errors and accidents, error proneness and accident liability.
5. Human performance in relation to automation: Monitoring performance, trust, situation awareness, mental workload.

Books recommended:

- Matthews, G., Davies, D. R., Westerman, S. J., & Stammers, R. B. (2000). *Human performance*. Sussex, UK: Psychology Press.
- Nickerson, R. S. (1992). *Looking ahead: Human factors challenges in a changing world*. Hillsdale: LEA.
- Senders, J. W., & Moray, N. P. (1991). *Human error: Cause, prediction, and reduction*. Hillsdale: LEA.
- Sheridan, T. B. (2002). *Humans and automation*. CA: John Wiley.
- Singh, I. L., & Parasuraman, R. (1998). *Human cognition*. New Delhi: Sage Publications.

PSM 409 Neuroergonomics**Credits 4**

1. Introduction to Neuroergonomics: Definitions & Scope; Neuroergonomics relation with other fields: Neuropsychology, Psychophysiology.
2. History of Neuroergonomics: Historical developments. Issues in Neuroergonomics: Conceptual, Theoretical and Philosophical, Guidelines and Ethical issues.
3. Adaptive automation: Nature and Adaptive Strategies, Adaptive Automation Systems: Associate system and Brain-based systems.
4. Methods of Neuroergonomics: Neuroimaging and eye movement. Modern methods of Neuroergonomics: Molecular and neurogenetics
5. Research, Application and Future prospects of Neuroergonomics: Virtual reality, neuro-engineering.

Recommended Books:

- Matthews, G., Davies, D. R., Westerman, S. J., & Stammers, R. B. (2000). *Human performance*. Sussex, UK: Psychology Press.
- Nickerson, R. S. (1992). *Looking ahead: Human factors challenges in a changing world*. Hillsdale: LEA.
- Parasuraman, R., & Rizzo, M. (2007). *Neuroergonomics: The brain at work*. New York: Oxford University Press.

PSM 410	Therapeutic Techniques	Credits 4
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1. Nature of specific therapeutic variables—the client and the therapist, client- therapist relationship; Stages: initial contact, assessment, goals of treatment, implementing treatment, termination, evaluation, and follow-up. Issues in psychotherapy.
2. Psychoanalytic therapy (Freudian): Goals and assumptions; Therapeutic techniques - Free association, analysis of dreams, analysis of resistance, transference, confrontation and clarification, interpretation and working through; Role of maintaining analytic framework.
3. Behavioural and cognitive perspective: Origins; Techniques - systematic desensitization, exposure therapy, Modeling, behavioural rehearsal, contingency management, aversion therapy. Cognitive behaviour therapy- Eliss' and Beck's approach.
4. Phenomenological and Humanistic existential psychotherapy: Client-centered therapy; origins, theoretical propositions, therapeutic process, and applications; Gestalt therapy; Existential therapy.
5. Psychopharmacological therapy: Overview of psychopharmacological therapy; Indications, mode of action and major concerns in the use of neuroleptics, anxiolytics, hypnotics, antidepressants, mood stabilizers, and psychostimulants.

Books Recommended

- Corey, G. (2009). *Theory and practice of counselling and psychotherapy*. (8thEd). Belmont, C.A: Brooks/Cole.
- Culari, S. (1998). (Ed.) *Foundations of clinical psychology*. New York: Allyn & Bacon.
- Neitzel, M.T., Bernstein, D.A. & Millich, R. (1998). *Introduction to clinical psychology* (5thEd). Upper Saddle River, New Jersey: Prentice Hall.
- Page, A.C. & Stritzke, W.G.K. (2006). *Clinical Psychology for trainees: Foundations of science informed practice*. New York: Cambridge University Press.
- Planate, T.J. (2005). *Contemporary clinical psychology*. New Jersey: John Wiley & Sons.

PSM 411	Positive Psychology	Credits 4
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1. Introduction: Objectives, historical development, Hedonic and Eudaimonic perspectives.
2. Subjective well-being: Concept and indicators, life satisfaction and happiness, determinants of happiness.
3. Strategies to enhance happiness: Enhancing pleasure and engagement; self-related processes.
4. Character strengths and virtues: Classification, assessment and nurturance; barriers in developing strengths and virtues.
5. Meeting life challenges: Sources of stress, coping strategies, promoting healthy coping strategies and life skills.

Books Recommended:

- Baumgardner, S., & Crothers, M. K. (2014). *Positive Psychology*. New Delhi. Pearson Education.
- Carr, A. (2004). *Positive psychology*. London: Routledge.
- Compton, W.C. (2005). *Introduction to positive psychology*. Belmont: Wadsworth.
- Linley, P.A; & Joseph, S. (2004). *Positive psychology in practice*. New York: Wiley.
- Peterson, C; & Seligman, M.E.P. (2004). *Character strengths and virtues*. New York: Oxford University Press.
- Snyder, C. R., & Lopez, S. J. (2012). *Handbook of positive psychology* (2nd Ed.). Oxford: Oxford University Press.
- Snyder, C.R., Lopez, S.J. & Pedrotti, J. T. (2011). *Positive Psychology: The Scientific and Practical Explorations of Human Strength*. London. Sage Publications.

PSM 412	Psychology of Late Adulthood	Credits 4
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1. Adult development and Aging: Concept, Stages - characteristic features and developmental tasks, Physical and Biological changes.
2. Theoretical approaches: Biological theories, Erikson's Stage theory, Exchange theory, Continuity theory, Socio-environmental theory.
3. Cognition: Memory - changes in short-term, long-term & working memories, forgetting in adulthood; Intelligence - Beyond Piagetian formal operational stage; Wisdom and creativity in later life.
4. Personality and Self: Continuity vs. discontinuity issue, changes in self-structure, maintenance of self-esteem; Aging and mental health; Factors in positive ageing.
5. Social Concerns of late adulthood: Retirement, living arrangement, grand-parenting, coping with bereavement,

widowhood, and loneliness.

Books Recommended:

- Cavanaugh, J.C. & Blanchard-Fields, F. (2015). *Adult Development and Aging* (8th Ed.) Boston: Cengage.
- Whitbourne, S.K. & Sliwinski, M. J. (Eds.) (2016). *The Wiley-Blackwell Handbook of Adulthood and Aging*. West Sussex.: John Wiley & Sons Ltd.
- Whitbourne, S.K. (2016). *The Encyclopedia of Adulthood and Aging*. N.J.: John Wiley Inc.
- Schaie, K. W. & Willis, S. (2015). *Handbook of the Psychology Of Aging* (6th Ed). London: Academic Press.
- Erber, J. T. (2013). *Aging and Older Adulthood* (3rd Ed). East Sussex.: John Wiley & Sons.
- Stuart-Hamilton, I. (2012). *The Psychology of Ageing: An Introduction* (5th Ed). London: Jessica Kingsley Publishers.

PSM 413 Rehabilitation Psychology

Credits 4

1. Rehabilitation: Nature and rationale; Models of rehabilitation psychology, disability and health; Ethical issues in rehabilitation.
2. Neuropsychological and cognitive rehabilitation: Theoretical approaches. Principles of compensation, recovery and plasticity in neurocognitive rehabilitation; Factors affecting neurocognitive rehabilitation.
3. Neurocognitive rehabilitation of persons with deficits of memory, attention and executive functions; Rehabilitation in traumatic brain injury and stroke.
4. Psychiatric rehabilitation: General principles and methods of psychiatric rehabilitation; specific interventions; role of family.
5. Neurorehabilitation strategies for neurodegenerative conditions: Neurorehabilitation in Alzheimer disease; Psychosocial and cognitive rehabilitation in the elderly.

Books Recommended:

- Goldstein, L.H., & McNeil, J.E. (2004). *Clinical neuropsychology*. John Wiley & Sons Ltd.: Chichester, West Sussex, England.
- Noggle, C.A., Dean, R.S., & Barisa, M.T. (Eds.)(2013). *Neuropsychological rehabilitation*. New York: Springer Publishing Co.
- Pratt, C.W., Gill, K.J., Barrett, N.M., & Roberts, M.M. (2007). *Psychiatric rehabilitation* (2nd ed.). New York: Academic Press.
- Stuss, D.T., Winocur, G., & Robertson, I.H. (2010). *Cognitive Neurorehabilitation: Evidence and Application* (2nd Ed.). Cambridge: Cambridge University Press.
- Wilson, B.A., Gracey, F., Evas, J.J., & Bateman, A. (2009). *Neuropsychological rehabilitation. Theory, Models, Therapy, and Outcome*. Cambridge: Cambridge University Press.
- Wilson, B.A., Herbert, C.M., & Shiel, A. (2003). *Behavioural approaches in neuropsychological rehabilitation*. New York: Psychology Press.

PSM 414 Stress Management in Organizations

Credits 4

1. Stress: Concept, different perspectives, and symptoms; framework of stress; Occupational stress, P-E fit model of job stress.
2. Causes of occupational stress: Personal characteristics, organizational structure, properties of work and work setting, job roles.
3. Effects of occupational stress: Effect on job behavior, job satisfaction, performance, absenteeism. Effects on physical and psychological health.
4. Individual-centered stress management techniques: Cognitive, hypno-suggestive, behavioural and physical (yoga and aerobic exercises) interventions; Coping strategies.
5. Organization-centered stress management: Preventing, mitigating and moderating organizational stress at organizational level.

Books Recommended:

- Matteson, M. T. & Ivancevich, J. M. (1987). *Controlling work stress-Effective human resources and management strategies*. San Francisco: Josey Bass
- Pestonjee, D. M. (1992). *Stress and coping*. New Delhi: Sage Publications.
- Ross, R. R. & Altmair, E. M. (1994). *Interventions in occupational stress*. New Delhi: Sage Publications.
- Schafer, W. (2000). *Stress management* (4th Ed.). New Delhi: Cengage.
- Srivastava, A. K. (1999). *Management of occupational stress: Theories and practice*. New Delhi: Gyan Publishing House.

- Quick, J.C., Wright, T.A., Adkins, J.A., Nelson, D.A., & Jonathan, D. Quick, J.S. (2013). *Preventive stress management in organizations*. Washington, D.C., American Psychological Association.

PSM 415	Organizational Communication	Credits 4
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1. Conceptual framework: Meaning and process of organizational communication, perspectives; direction of communication flow, communication barriers, ethical issues
2. External communication: Environmental scanning; management of external communication
3. Interpersonal communication: needs perspective, transactional analysis, Johari window; role of symbols, communication networks.
4. Non-verbal communication: Dimensions and functions of non-verbal communication; cultural differences in nonverbal communication.
5. Communication for organizational effectiveness: Counselling, listening-orientation and feedback, conducting effective interviews, effective oral presentations.

Books Recommended:

- Andrews, P. H. & Herschel, R. T. (1997). *Organizational communication*. (1st Ed.). New Delhi: A.I.T.B.S. Publishers.
- Fisher, D. (2003). *Communication in organizations* (2nd Ed.). Bombay: Jaico Books.
- Godhaber, G. M. (1990). *Organizational Communication* (5th Ed.). Bubuque Brown.
- Lesikar, R.V. & Pettit, J. D. (1998). *Business communication: Theory and applications*. (6th Ed.). Illinois: Richard D. Irwin Inc.
- Tubbs. S.L. & Moss, S. (2006). *Human Communication: Principles and Contexts*. (10th Ed.). McGraw Hill.

PSM 416	Market Psychology	Credits 4
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1. Marketing and Consumer behaviour-Understanding marketing process, approaches, social responsibility of business, marketing environment; identifying market segments, consumer markets and buyer behaviour; analysing competitors.
2. Advertising- objectives, forms and importance of advertising; psychological processes in advertising; the promotional mix; sales promotion and public relations; international advertising, designing effective advertising programs, ethics in advertising
3. Brand psychology-Creating brands, engaging customers and audiences, integrated market communications; marketing research
4. Public relations management: Trust and risk assessment; issues–management; implementation of issues–management program; perception of crisis, role of media; crisis prevention; communication management; public relations campaign.
5. Psychology and the media- impact of media and technology on human behaviour; media effects on society, individuals and culture, Press tours, press conference, press notes, audio-visual media, online news, internet, global media, media relations in India; opinion research.

Books Recommended:

- Sahay, Mukul. (2011). *A textbook of media management*. Wisdom Press: New Delhi
- Kotler (2015). *Marketing management: Analysis planning, implementation and control*. New Delhi: Prentice Hall of India Pvt. Ltd.
- Andrew A. Mitchell (1993), *Advertising Exposure, Memory and Choice*. Lawrence Erlbaum Associates. Hillsdale, NJ.
- Eddie M. Clark, Timothy C. Brock, & David W. Stewart, (1994), *Attention, Attitude and Affect in Response to Advertising*. Lawrence Erlbaum Associates. Hillsdale, NJ.
- Regester & Larkin (2000). *The art and science of public relations*. (Vol. 5). New Dehi: Crest Publishing
- O'Shaughnessy J. & O'Shaughnessy N. J. (2003), *Persuasion in Advertising*. Routledge, New York.
- Gabay, Jonathan (2015). *Brand Psychology*. Kogan page: London

PSM 417 Industrial Relations**Credits 4**

1. Introduction to industrial relations: Concept, Scope and components of industrial relations system, approaches, development of industrial relations in India. Technological change and industrial relations.
2. Grievances and discipline: Meaning nature and causes of grievances; grievances and presentation, procedure for redressal; meaning of discipline, causes of indiscipline in industry; discipline enforcement methods in India.
3. Industrial conflicts and trade unions: causes forms and resolution; mediation, conciliation, arbitration, adjudication (with reference to Industrial Dispute Act, 1947 in India). Trade unionism in India; structure and functions of trade unions; leadership issues; problems of multiple unions; employer's organization in India.
4. Collective bargaining: Principles and features; forms and process of collective bargaining; implementation of collective bargaining agreements; collective bargaining in India.
5. Workers' participation: Concept, objectives; forms and levels of participation; schemes for workers' participation in India.

Books Recommended:

- Bray (2004). Industrial relations: a contemporary approach. Australia: McGraw Hills.
- Manoria, Manoria & Ganlear. (2003). Dynamics of industrial relations. New Delhi: Himalaya Publishing House.
- Monappa, A (2000). Industrial relations. New Delhi: Tata McGraw Hill.
- Sen (2003). Industrial relations in India: Shifting paradigms. New Delhi: Macmillan India.

PSM 418 Occupational Health and Safety**Credits 4**

1. Occupational health and safety: Historical perspective and overview, accidents; their effect and theories.
2. Laws and regulations: The OSH act, standards and liability; workers compensation, product safety and liability.
3. The human element: Ergonomic hazards, stress and safety, safety and health training and violence in the workplace.
4. Hazard assessment, prevention and control: Mechanical, vision, extreme temperature, pressure, electrical, fire, radiation, noise and vibration; and other hazards at work.
5. Management of safety and health: Ethics and safety, promoting safety, total safety management in quality management setting, establishing safety first corporate culture.

Books Recommended:

- Alli, B. O. (2008). Fundamental principles of occupational health and safety. Geneva: International Labour Organization.
- Erickson, P. A. (1996). Practical Guide to Occupational Health and Safety. San Diego: Academic Press.
- Goetsch, D. L. (2015). Occupational safety and health (8th Ed.). New York: Pearson
- Narayanan, K. T. (2015). Safety, health and environment (1st Ed.). New Delhi: McGraw Hill.
- Rees, C. D. (2016). Occupational health and safety management (3rd Ed.). Boca Raton, FL: CRC Press (Taylor and Francis Group).

PSM 419 Human Resource Development**Credits 4**

1. Introduction to Human Resource Development: Concept; Relationship between human resource management and human resource development; HRD mechanisms, processes and outcomes; HRD matrix; HRD interventions; Roles and competencies of HRD professionals; Challenges in HRD.
2. HRD Process: Assessing need for HRD; Designing and developing effective HRD programs; Implementing HRD programs; Evaluating effectiveness of HRD Programs; HRD audit; HRD culture and climate.
3. HRD Activities: Employee development activities- Approaches to employee development, action learning, assessment and development centres ; Intellectual capital and HRD; HRD mechanisms for workers; Role of trade unions; Industrial relations and HRD; Influence of motivation on development activities.
4. HRD Applications and Trends: Coaching and mentoring; Career management and development; Employee counselling; Competency mapping; PCMM, Balanced Score Card, Appreciative inquiry; Integrating HRD with technology, Employer branding and other emerging trends.
5. HRD in Organisations: Selected cases covering HRD practices in government organisations, manufacturing and service industries and MNCs; International experiences of human resource development. Case studies; Lab in HRD: leadership development, Team Building, communication skill, training for individual growth.

Books Recommended:

- Curtis, B., Hefley, W. E., Miller, S. A., The people capability maturity model: Guidelines for improving workforce, Pearson Education. Department of Commerce, University of Delhi 22
- Haldar, U. K., *Human resource development*, Oxford University Press India.
- Kaplan, R.S. & Norton, D.P. (1992). The balanced scorecard: Measures that drive performance. Harvard Business Review.
- Mankin, D., *Human resource development*, Oxford University Press India.
- Nadler, L., *Corporate human resources development*, Van Nostrand Reinhold.
- Rao, T.V., *Future of HRD*, Macmillan Publishers India.
- Rao, T.V., HRD Score Card 2500: Based on HRD audit, Response Books, SAGE Publications.
- Rao, T.V., *Hurconomics for talent management: Making the HRD missionary business-driven*, Pearson Education.
- Werner J. M., DeSimone, R.L., *Human resource development*, South Western.

PSM 420(a) Practical		Credits 4
<i>Any one from each of the opted electives</i>		
PSM 401	Child and Adolescent Psychopathology	Conduct disorder (1 case) Separation anxiety (1 case) Childhood depression (1case) Learning disability/ mental retardation (1 case)
PSM 402	Animal models of human behaviour	Elevated plus maze test Isolation induced aggression in animals Social interaction behaviour Conflict test
PSM 403	Cognitive Neuropsychology of Attention and Memory	Visual spatial attention Hemi-spatial neglect in brain damaged case Episodic/semantic memory deficits Attentional disorder/deficit in children
PSM 404	Cross-Cultural Psychology	Psychological differentiation Acculturative stress Categorization Depth Perception
PSM 405	Drug and Behaviour	Effects of drugs on elevated plus-maze test in albino rats Effects of drugs on discrimination learning in albino rats Effects of drugs on anxiety in albino rats Effects of drugs on acquired-fear in albino rats
PSM 406	Environmental Psychology	Environmental perception Spatial cognition Environmental stress Environmental risk perception
PSM 407	Forensic Psychology	Eye witness Testimony Assessment of antisocial personality Case History of Child Abuse/ domestic violence Personality/ physiological profile of an offender
PSM 408	Human Factors	Vigilance and monitoring performance Workload and human performance Automation reliability and performance Person- computer interface
PSM 409	Neuroergonomics	Mental workload Automation complacency Stress/fatigue and performance Sleep/circadian rhythm disturbance and performance
PSM 410	Therapeutic Techniques	Preparing hierarchy for systematic desensitization Assessment of negative self-thought Relaxation techniques (Preparing relaxation script/inducing relaxation) Use of Multi Behaviour Therapy apparatus (MBT)
PSM 411	Positive Psychology	Assessment of subjective well-being

PSM 412	Psychology of Late Adulthood	Assessment of psychological well-being Assessment of character strength/virtues Assessment of coping strategies Parenting style among adults Self-concept among adults Psychological well-being/Quality of life among elderly
PSM 413	Rehabilitation Psychology	Assessment of cognitive functioning among elderly Assessment of psychiatric/ mental health problems in elderly Assessment of dementia in elderly Assessment of executive functioning in brain damaged/psychiatric patient Assessment of cognitive functions in TBI patients
PSM 414	Stress Management in organization	Assessment of stress Coping strategies Functional job stress Stress resistant cognitive/ behavioural patterns scale
PSM 415	Organizational Communication	Interpersonal Communication Communication barriers Direction of communication Communication networks
PSM 416	Market Psychology	Buyer Behaviour Sales Promotion Branding Impact of Media on Consumer Behaviour
PSM 417	Industrial Relations	Technology and Industrial Roles Grievance Redressal Union Leadership Workers Participation
PSM 418	Occupational Health and Safety	Safety Culture Human Factors and Occupational Health Risk Assessment First Aid Mechanism
PSM 418	Human Resource Development	HRD intercultural Effectiveness of HRD programs Employee Counseling Competency Mapping

PSM 420(b) Comprehensive Viva-voce

Credits 4

A Comprehensive Viva-Voce examination will be conducted by a duly appointed External Examiner on the basis of syllabus covered during all the four semesters of the M.A./ M.Sc. (Psychology) Course along with Semester-IV Examinations.