TEACHING LEARNING OUTCOMES COURSE: BSC.NURSING

AIMS:

Prepare graduates to assume responsibilities as professionals, competent nurses and the aim of the undergraduate nursing program is to:

- Prepare nurses who can make independent decisions in nursing situations, protect the midwives in providing promotive, preventive, curative, and rehabilitative services.
- The rights of and facilitate individuals and groups in pursuit of health, functions in the hospital, community nursing services, and conduct research studies in the areas of nursing practice.
- They are also expected to assume the role of teacher, supervisor, and manager in a clinical / public health settings.

OBJECTIVES

: On completion of four year B.Sc. Nursing Program the graduate will be able to:

- Apply knowledge from physical, biological and behavioral sciences, medicine including alternative systems and nursing in providing nursing care to individuals, families and communities.
- Demonstrate understanding of life styles and other factors, which affect health of individuals and groups.
- Provide nursing care based on steps of nursing process in collaboration with individuals and groups.
- Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
- Utilize the latest trends and technology in providing health care.
- Provide promotive, preventive and restorative health services in line with the National Health Policies and Programmes.
- Practice within the frame work of code of ethics and professional conduct, and acceptable standards of practice within the legal boundaries.
 - Communicate effectively with individuals and groups, and members of the health team in order to promote effective inter personal relationship and team work.

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- Demonstrate skills in teaching to individuals and groups in clinical and community health settings.
- Participate effectively as members of the health team in health care delivery system.
- Demonstrate leadership and managerial skills in clinical / community health settings.
- Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
- Demonstrate awareness, interest, and contribute towards advancement of self and of the profession.

PROGRAMME OUTCOMES

- <u>Nursing Knowledge</u>: Apply knowledge from physical, biological and behavioral sciences, medicine including alternative systems and nursing in providing care to individuals, families and communities.
- Nurse and the community: Demonstrate understanding of lifestyle and other factors, which affect health of individuals and groups.
- <u>Care giver</u>: Provide nursing care based on steps of nursing process in collaboration with the individuals and groups.
- Problem analysis/ Decision making: Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
- <u>Technology update</u>: Utilize the latest trends and technology in providing health care.
- Nurse and the health care system: Provide promotive, preventive and restorative health services in line with the national health policies and programmes.
- Nurse and the profession: Practice within the frame work of code of ethics and professional conduct, and acceptable standards of practice within the legal boundaries.
- <u>Communication</u>: Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationships and teamwork.
- Information Education and Counseling: Demonstrate skills in teaching to individuals and groups in clinical / community health settings.
- Nurse as a collaborative care giver: Participate effectively as members of the health team in health care delivery system.
 - Nursing administration and management: Demonstrate leadership and managerial skills in clinical / community health settings.

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- Nursing research: Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
- <u>Life-long learning</u>: Demonstrate awareness, interest and contribute towards advancement of self and of the profession.

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COURSE OUTCOMES B. Sc. NURSING FIRST YEAR

ENGLISH

Speak and write grammatically correct English

Review of Grammar

Develop ability to read, understand and express meaningfully the prescribed

Develop writing skills

Develop skill in spoken English

Develop skill in listening comprehension

ANATOMY

Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands

.Describe the structure & function of bones and joints

Describe the structure and function of muscles

Describe the structure and function of nervous system

Explain the structure and function of sensory organs

Describe the structure and function of circulatory and lymphatic system

Describe the structure and function of respiratory system

Describe the structure and function of digestive system

Describe the structure and function of excretory system

Describe the structure and function of endocrine system

Describe the structure and function of reproductive system

PHYSIOLOGY

Describe the physiology of cell, tissues, membranes and glands

Describe the bone formation and growth and movements of skeletal system

Describe the muscle movements and tone and demonstrate muscle contraction and tone

Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves

Demonstrate reflex action and stimulus

Describe the physiology of blood and functions of Heart

Demonstrate blood cell count, coagulation, grouping, Hb, BP and pulse monitoring

Describe the physiology and mechanisms of respiration

Demonstrate spirometry

Describe the physiology of digestive system

Demonstrate BMR

Describe the physiology of excretory system

Describe the physiology of sensory organs.

Describe the physiology of endocrine glands

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Describe the Physiology of male and female reproductive system Describe the physiology of Lymphatic and Immunological system

NUTRITION

Describe the relationship between nutrition & health

Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates

Describe the classification, functions, sources and recommended daily allowances (RDA) of fats

Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins

Describe the daily calorie requirement for different categories of people Describe the classification, functions, sources and recommended daily allowances (RDA) of vitamins

Describe the classification, functions, sources and recommended daily allowances (RDA) of minerals

Describe the sources, functions and requirements of water & electrolytes
Describe the cookery rules and preservation of nutrients
Prepare and serve simple beverages and different types of foods
Describe and plan balanced diet for different categories of people
Describe the various national programmes related to nutrition
Describe the role of nurse in assessment of nutritional status and nutrition
education

BIOCHEMISTRY

Describe the structure, composition and functions of cell
Differentiate between prokaryote and eukaryote cell
Identify techniques of microscopy
Describe the structure and functions of cell membrane
Explain the metabolism of carbohydrates
Explain the metabolism of Lipids
Explain the metabolism of Amino acids and Proteins
Describe types, composition and utilization of Vitamins & minerals
Describe Immuno-chemistry

NURSING FOUNDATION

Describe the concept of health, illness and health care agencies
Explain concept and scope of nursing
Describe values, code of ethics and professional conduct for nurses in India
Explain the admission and discharge procedure
Perform admission and discharge procedure

Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image)

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Appreciate the importance of patient teaching in nursing

Explain the concept, uses, format and steps of nursing process

Documents nursing process as per the format

Describe the purposes, types and techniques of recording and reporting

Describe principles and techniques of monitoring and maintaining vital signs

Monitor and maintain vital signs

Describe the purpose and process of health assessment

Describe the health assessment of each body system

Perform health assessment of each body system

Identifies the various machinery, equipment, linen and their care

Describe the basic, physiological and psychosocial needs of patient

Describe the principles and techniques for meeting basic, physiological and psychosocial needs of patient

Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient

Describe principles and techniques for infection control and biomedical waste management in supervised clinical settings

Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within and between systems of measurements

Administer drugs by following routes-oral, intradermal, subcutaneous, intramuscular, intravenous, topical and inhalation

Describe the pre and post operative care of patients

Explain the process of wound healing

Explain the principles and techniques of wound care

Perform care of wounds

Explain care of patients having alterations in body functioning

Explain care of terminally ill patient

Explain the basic concepts of conceptual and theoretical models of nursing

NURSING FOUNDATION - PRACTICAL

Performs admission and discharge procedure

Prepare nursing care plan as per the nursing process format

Communicate effectively with patient, families and team members

Maintain effective human relations

Develop plan for patient teaching

Prepare patient reports

Presents reports

Monitor vital signs

Perform health assessment of each body system

Provide basic nursing care to patients

Perform infection control procedures

Provide care to pre and post operative patients

M Maheswary Principal Army College of Nursin Jalandhur Canti Perform procedures for care of wounds Administer drugs Provide care to dying and dead Counsel and support relatives

PSYCHOLOGY

Describe the history, scope and methods of psychology
Explain the biology of Human behaviour
Describe various cognitive processes and their applications
Describe motivation, emotions, stress, attitudes and their influence on behaviour
Explain the concepts of personality and its influence on behaviour
Describe psychology of people during the life cycle
Describe the characteristics of mentally healthy person
Explain ego defence mechanisms
Explain the Psychological assessments and role of nurse

MICROBIOLOGY

Explain concepts and principles of microbiology and their importance in nursing

Describe structure, classification morphology and growth of bacteria Identify micro- organisms

Describe the methods of infection control

Identify the role of nurse in hospital infection control programme

Describe the different disease producing organisms

Explain the concept of immunity, hyper sensitivity and immunization

INTRODUCTION TO COMPUTERS

Identify & define various concepts used in computer
Identify application of computer in nursing
Describe and use the Disk operating system
Demonstrate skill in the use of MS Office
Demonstrate skill in using multi-media
Identify features of computer aided teaching and testing
Demonstrate use of internet and Email
Describe and use the statistical packages
Describe the use of Hospital Management System

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PATHOLOGY AND GENETICS

Section A - Pathology

Define the common terms used in pathology.

Appreciate the deviations from normal to abnormal structure and functions of the body system.

Explain Pathological changes in disease conditions of various systems

Describe various laboratory tests in assessment and monitoring of disease conditions

Describe the laboratory tests for examination of body cavity fluids, transudates and exudates

Describe the laboratory tests for examination of urine and faeces

SECTION - B GENETICS

Explain nature, principles and perspectives of heredity

Explain Maternal, prenatal and genetic influences on development of defects and diseases

Explain the screening methods for genetic defects and diseases in neonates and children

Identify genetic disorders in adolescents and adults

Describe the role of nurse in genetic services and counseling

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I

Appreciate the trends in medical and surgical nursing

Describe the role of a nurse in caring for adult patient in hospital and community

Describe the concepts of medical surgical asepsis

Describe the common signs, symptoms, problems and their specific nursing interventions

Describe the aetiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory system

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems

Principal Principal Army College of Nursing Jalandhar Cantt Describe the vascular conditions and its nursing management. Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary systems

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo- skeletal system

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of immunological system

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with communicable Diseases

Describe the organization and physical set up of operation theatre

- Identify the various instruments and equipments used for common surgical procedures describe the infection control measures in the Operation Theatre
- · Describe the role of the nurse in the Operation Theatre

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I PRACTICAL

Provide nursing care to adult patients with medical disorders

Counsel and educate patients and families

General surgical ward

Provide pre and post-operative nursing care to adult patients with surgical disorders

Counsel and educate patients and families

Cardiology Ward

Provide nursing care to patients with cardiac disorders

Counsel and educate patients and families

Skin and communicable diseases

Identify skin problems

Provide nursing care to patients with skin disorders & communicable diseases Counsel and educate patients and families

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Describe Epidemiology and nursing management of common Noncommunicable diseases

Describe the concepts and scope of demography

Describe methods of data collection, analysis and interpretation of demographic data

Identify the impact of population explosion in India

Describe the methods of population control

COMMUNITY HEALTH NURSING I - PRACTICAL

Build and maintain rapport

Identify demographic characteristics, health determinants and community health resources

Diagnose health needs of individual and families

Provide primary care in health centre

Counsel and educate indivi-dual, family and community

COMMUNICATION & EDUCATIONAL TECHNOLOGY

Describe the communication process

Identify techniques of effective communication

Establish effective inter-personal relations with patients, families & co-workers

Develop effective human relations in context of nursing

Develop basic skill of counselling and guidance

Describe the philosophy & principles of education

Explain the teaching learning process

Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings

Prepare and use different types of educational media effectively

Prepare different types of questions for assessment of knowledge, skills and attitudes

Teach individuals, groups, and communities about health with their active participation

ENVIRONMENTAL STUDIES

Describe nature of environmental studies

Explain uses of natural resource and the effects of exploitation

Describe the types of Ecosystems

Explain ecosystem diversity and Conservation of biodiversity

Explain Causes, effects and control measures of environmental Pollution

Describe the environmental social issues and the possible solutions

Explain the human population and its impact on health

Identify the local polluted sites and draw out the remedy measures

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THIRD YEAR

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)- II

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Eye.

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with disorder of female reproductive system

Describe the concept of reproductive health and family welfare programme
Describe the etiology, patho physiology, clinical manifestations, diagnostic
measures and management of patients with burns, reconstructive and cosmetic
surgery

Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients with oncological conditions

Describe organization of emergency and disaster care services

Describe the role of nurse in disaster management

Describe the role of nurse in management of common emergencies

Explain the concept and problems of ageing

Nursing care of the elderly

Describe organization of critical care units

Describe the role of nurse in management of patients in critical care units Describe the etiology, patho physiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder

MEDICAL SURGICAL NURSING (ADULT AND GERIATRICS)- II- PRACTICAL

ENT

Provide care to patients with ENT disorders
Counsel and educate patient and families Ophthalmology
Provide care to patients with Eye disorders
Counsel and educate patient and families OT – Eye, ENT, Neuro
Identify instruments
Assist in OT set up
Supervise sterilization
Assist in OT table layout

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CHILD HEALTH NURSING - PRACTICAL

Paediatric Medicine Ward

Provide nursing care to children with various medical disorders Paediatric Surgery Ward

Counsel and educate parents

Recognize different paediatric surgical conditions/malformations

Provide pre and post-operative care to children with common paediatric surgical conditions/malformation

Counsel and educate parents Paediatric OPD/ Immunization room

Perform assessment of children: Health Developmental and Anthropometric

Perform immunization

Give Health Education/Nutritional Education Paediatric medicine and surgery ICU

Provide nursing care to critically ill children.

Paediatric Medicine Ward/ICU

Provide comprehensive care to children with medical conditions Paediatric Surgery Ward/ICU

Provide comprehensive care to children with surgical conditions NICU Provide intensive care to neonates

MENTAL HEALTH NURSING

Describe the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems

Describe the National Mental Health Act, programmes and mental health policy

Discuss the scope of mental health nursing

Describe the concept of normal & abnormal behaviour

Define the various terms used in mental health nursing

Explain the classification of mental disorders

Explain psycho dynamics of maladaptive behaviour

Discuss the etiological factors, psychopathology of mental disorders

Explain the principles and standards of Mental health Nursing

Describe the conceptual models of mental health nursing

Describe the nature, purpose and process of assessment of mental health status

Identify therapeutic communication techniques

Describe therapeutic relationship

Describe therapeutic impasse and its intervention

Explain treatment modalities and therapies used in mental disorders and role of the nurse

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Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders

Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders

Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatisation disorders

Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders

Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with spersonality, Sexual and Eating disorders

Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency

Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management organic brain disorders

Identify psychiatric emergencies and carry out crisis intervention

Explain legal aspects applied in mental health settings and role of the nurse Describe the model of preventive psychiatry

Describe community Mental Health services and role of the nurse

MENTAL HEALTH NURSING - PRACTICAL

Psychiatric OPD

Assess patients with mental health problems .

Observe and assist in therapies.

Counsel and educate patient and families.

Assessment of children with various mental health problems

Counsel and educate children, families and significant others Child Guidance clinic

To provide nursing care for patients with various mental health problems CO3. Assist in various therapies

Community Psychiatry

To identify patients with various mental disorders To motivate patients for early treatment and follow up Counsel and educate patient and family and community

Psychiatry ward

Provide comprehensive care to patients with mental health problems

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Antenatal clinic/OPD

Assessment of pregnant women in Labour room and O.T.

Anenatal Examination and care in Antenatal ward.

Assessment of woman in labour

Carry out per vaginal examinations

Conduct normal deliveries

Perform episiotomy and suturing

Resuscitate newborns

Assist with caesarean sections, MTP and other surgical procedures

Post natal ward

Provide nursing care to postnatal mother and baby

Counsel and teach mother and family for parenthood Newborn nursery

Provide nursing care to newborn at risk.

Family planning clinic

Counsel for and provide family welfare services

Antenatal Postnatal Newborn Nursery.

Provide comprehensive care to mothers and neonates in NICU

COMMUNITY HEALTH NURSING - II

Define concepts, scope, principles and historical development of Community Health and community health nursing

Describe health plans, policies, various health committees and health problems in India

Describe the system of delivery of community health services in rural and urban areas

List the functions of various levels and their staffing pattern

Explain the components of health services

Describe alternative systems of health promotion and health maintenance

Describe the chain of referral system

Describe Community Health Nursing approaches and concepts

Describe the roles and responsibilities of Community health nursing personnel

Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health

Describe national health and family welfare programmes and role of a nurse Describe the various health schemes in India

Explain the roles and functions of various national and international health agencies

COMMUNITY HEALTH NURSING II - PRACTICAL Identify community profile

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Identify prevalent communicable and non communicable diseases
Diagnose health needs of Individual, families and community
Plan, provide and evaluate care
Participate in school health program
Participate in national health programs
Organize group for self help and involve clients in their own health activities
Provide family welfare services
Counsel and educate individual, family and community
Collect vital health statistics
Maintain records & reports

Internship

Rural and UrbanCommunity Provide comprehensive care to individual, family and community

MANAGEMENT OF NURSING SERVICES AND EDUCATION

Explain the principles and functions of management

Describe the elements and process of management Describe the management of nursing services in the hospital and community

Describe the concepts, theories and techniques of organizational behaviour and human relations

Participate in planning and organizing in –service education program
Describe management of Nursing educational institutions
Describe the ethical and legal responsibilities of a professional nurse
Explain the nursing practice standards
Explain the Various opportunities for professional advancement

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Ser No	Parents Details	Particulars of Students	Steam/Batch	% of Marks Scored	Other Scholarships Awarded		
					Туре	Amount	Academic Year
-		FOURTH	YEAR STUDE	NTS	1 1		
37.	Ms Pooja Bora	Nb Sub Mahesh Singh Bora	B Sc (N) IVth Year	78.00%	-	-	-
38.	Ms Gagandeep Kaur	Ex Sub Amarjit Singh	-do-	77.67%			-
39.	Ms Manisha Bisht	Nb Sub Ganesh Singh Bisht	-do-	76.17%	-	-	-
40.	Ms Bishali	Hony Capt Karam Singh	-do-	76.00%		- Ann	-
41.	Ms Sapna	Nk Chandra Kishore	-do-	75.50%	(**	
42.	Ms Juli Kumari	Ex Hav Umesh Prasad Modi	-do-	75.50%	i Ven	-	-
43.	Ms Pooja Dhiman	Ex Sub (Hony Capt) Ajit Kumar Dhiman	-do-	75.33%	-	-	
44.	Ms Versha Guleria	Sub (Hony Sub Maj) Balbinder Singh	-do-	75.17%	-	-	-
45.	Pooja Chakraborty	Ex Hav/Hony Nb Sub Gautam Chakraborty	-do-	75.00%	-	-	
46.	Ms Nisha Kumari	Ex Hav Mohinder Singh	-do-	74.83% V			
47.	Ms Indu Devi	Ex Hav Ajit Singh	-do-	74.83%			
48.	Ms Manisha	Nb Sub Raj Kumar	-do-	74.67%			

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Army College of Nursing (ISO 9001 : 2015 Certified)

Deep Nagar

Jalandhar Cantt - 144 005

LIST OF MERITORIOUS STUDENTS

Sr No	Name of the Student	Class	Subject Topped		
1.	Ms Aarti Yadav	B Sc	Anatomy & Physiology		
2.	Ms Kamalpreet Kaur	(Nursing) 1st Year	Nutrition & Biochemistry		
3.	Ms Ruchika Devi		Nursing Foundation		
4.	Ms Armeet		Psychology		
5.	Ms Charu		Microbiology		
6.	Ms Kamalpreet Kaur		English		
7.	Ms Muskaan Joshi		Computers		
8.	Ms Gunjan Kharayat	B Sc	Sociology		
9.	Ms Harmandeep Kaur	(Nursing) 2 nd Year	Medical Surgical Nursing - I		
10.	Ms Pawanpreet Kaur		Pharmacology, Pathology & Genetics		
11.	Ms Goldy Deshwal		Pharmacology, Pathology & Genetics		
12.	Ms Harmandeep Kaur		Community Health Nursing - I		
13.	Ms Gunjan Kharayat		Communication & Education Technolog		
14.	Ms Nisha Kumari	B Sc	Medical Surgical Nursing - II		
15.	Ms Monika Kumari	(Nursing)	Child Health Nursing		
16.	Ms Monika Kumari	3rd Year	Mental Health Nursing		
17.	Ms Akanksha Sharma B So		Midwifery & Obstetrical Nursing		
18.	Ms Taranjot Kaur	(Nursing)	Community Health Nursing - II		
19.	Ms Reshma Patie	4 th Year	Management of Nursing Services & Education		
20.	Ms Deepali Manhas		Nursing Research & Statistics		

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