

			Introduce knowledge of EBT and its application in nursing education	<i>Evidence based teaching-Introduction</i> <ul style="list-style-type: none"> <li>Evidence based education process and its application to nursing education</li> </ul>	and suggest ethical decision-making steps <ul style="list-style-type: none"> <li>Lecture cum discussion</li> </ul>	<ul style="list-style-type: none"> <li>Quiz-MCQ</li> </ul>
IX	2	2	Orient towards recent trends in nursing education	<b>Emerging trends in healthcare and nursing education</b> <ul style="list-style-type: none"> <li>Emerging trends in healthcare in India</li> <li>Trends in nursing education</li> </ul>	Analysis of NHP 2017- to identify policy influencing nursing education and write term paper	<ul style="list-style-type: none"> <li>Evaluation of term paper</li> </ul>

## CHILD HEALTH NURSING I

### PLACEMENT: V SEMESTER

THEORY: 2 Credits (80 Hours)  
Skill Lab: 1 Credit (40 Hrs)  
Clinical: 2 Credits (160 Hrs)

**DESCRIPTION:** This course is designed for developing an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children.

### COMPETENCIES

On completion of the course, the students will be able to

1. Develop understanding of the history and modern concepts of child health and child- care
2. Explore the national child welfare services, national programs and legislation in the light of National Health Policy 2017
3. Describe the role of preventive pediatrics and perform preventive measures towards accidents
4. Identify the developmental needs of children and provide parental guidance
5. Participate in national immunization programs /Universal Immunization program (UIP)
6. Demonstrate competencies in newborn assessment, planning and implementation of care to normal and high-risk newborn including neonatal resuscitation
7. Apply the principles and strategies of Integrated management of neonatal and childhood illness (IMNCI)
8. Apply the knowledge of pathophysiology and provide nursing care to children with common childhood diseases
9. Identify and meet childhood emergencies and perform child CPR

### COURSE OUTLINE

UNIT NO.	TIME (HRS)	LEARNING OUTCOMES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
<b>I.</b>	<b>T10 L10</b>	<p>Explain the modern concept of child-care</p> <p>Describe National policy, programs &amp; legislation in relation to child health &amp; welfare</p>	<p><b>Introduction:</b></p> <p><b>Modern concepts of child-care</b></p> <ul style="list-style-type: none"> <li>• Historical development of child health</li> <li>• Philosophy &amp; Modern concept of child- care</li> <li>• Cultural and religious considerations in child-care</li> <li>• National policy and legislations in relation to child health and welfare.</li> <li>• National programs and</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration of common pediatric procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> </ul>

		<p>Describe role of preventive pediatrics</p> <p>List major causes of death during infancy, early &amp; late childhood</p> <p>Differentiate between an adult and child in terms of illness and response</p> <p>Describe the major functions &amp; role of the pediatric nurse in caring for a hospitalized child.</p> <p>Describe the principles of child health nursing and perform child health nursing procedures</p>	<p>agencies related to welfare services to the children.</p> <ul style="list-style-type: none"> <li>● Internationally accepted rights of the child</li> <li>● Changing trends in hospital care, preventive, promotive and curative aspect of child health</li> <li>● <i>Preventive pediatrics:</i> <ul style="list-style-type: none"> <li>○ Concept</li> <li>○ Immunization</li> <li>○ Immunization programs and cold chain.</li> <li>○ Care of under-five and Under-five Clinics /Well-baby clinics</li> <li>○ Preventive measures towards accidents</li> </ul> </li> <li>● Child morbidity and mortality rates</li> <li>● Difference between an adult and child which affect response to illness <ul style="list-style-type: none"> <li>○ Physiological</li> <li>○ Psychological</li> <li>○ Social</li> <li>○ Immunological</li> </ul> </li> <li>● Hospital environment for sick child</li> <li>● Impact of hospitalization on the child and family</li> <li>● Communication techniques for children</li> <li>● Grief and bereavement</li> <li>● The role of a child health nurse in caring for a hospitalized child</li> <li>● Principles of pre and postoperative care of infants and children.</li> </ul> <p><i>Child Health Nursing procedures:</i></p> <ul style="list-style-type: none"> <li>● Administration of medication: oral, I/M, &amp; I/V</li> <li>● Calculation of fluid requirement</li> </ul>		
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			<ul style="list-style-type: none"> <li>• Application of restraints</li> <li>• Assessment of pain in children. <ul style="list-style-type: none"> <li>○ FACES pain rating scale</li> <li>○ FLACC scale</li> <li>○ Numerical scale</li> </ul> </li> </ul>		
<b>II.</b>	<b>T12</b>	<p>Describe the normal growth and development of children at different ages</p> <p>Identify the needs of children at different ages &amp; provide parental guidance</p> <p>Identify the nutritional needs of children at different ages &amp; ways of meeting needs</p> <p>Identify the role of play for normal &amp; sick children</p>	<p><b>The healthy child</b></p> <ul style="list-style-type: none"> <li>• Definition and principles of growth and development.</li> <li>• Factors affecting growth and development.</li> <li>• Growth and development from birth to adolescence</li> <li>• Growth and developmental theories (Freud, Erickson, Jean Piaget, Kohlberg)</li> <li>• The need of normal children through the stages of developmental and parental guidance</li> <li>• Nutritional needs of children and infants. <ul style="list-style-type: none"> <li>- breast feeding</li> <li>- exclusive breast feeding</li> <li>- Supplementary / artificial feeding and weaning</li> </ul> </li> <li>• Baby friendly hospital concept</li> <li>• Types and value of play and selection of play material</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Developmental study of infant and children</li> <li>• Observation study of normal &amp; sick child</li> <li>• Field visit to Anganwadi, child guidance clinic</li> <li>• Videos on breast feeding</li> <li>• Clinical practice/field</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of field visits and developmental study reports</li> </ul>

III.	T15 L20	<p>Provide care to normal and high-risk neonates</p> <p>Perform neonatal resuscitation</p> <p>Recognize and manage common neonatal problems</p>	<p><b>Nursing care of neonate:</b></p> <ul style="list-style-type: none"> <li>• Appraisal of Newborn</li> <li>• Nursing care of a normal newborn / essential newborn care.</li> <li>• Neonatal resuscitation</li> <li>• Nursing management of low birth weight baby.</li> <li>• Kangaroo mother care</li> <li>• Nursing management of common neonatal disorder. <ul style="list-style-type: none"> <li>- Hyperbilirubinemia</li> <li>- Hypothermia, hyperthermia</li> <li>- Metabolic disorder</li> <li>- Neonatal infections</li> <li>- Neonatal seizures</li> <li>- Respiratory distress syndrome</li> <li>- Retinopathy of Prematurity</li> </ul> </li> <li>• Organization of neonatal care unit</li> <li>• Neonatal equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Modular based teaching: <b>ENBC and FBNC module (oral drills, videos, self - evaluation exercises)</b></li> <li>• Workshop on neonatal resuscitation: NRP module</li> <li>• Demonstration</li> <li>• Practice Session</li> <li>• Clinical practice</li> <li>• Lecture Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• OSCE</li> <li>• Short answers</li> <li>• Objective type</li> </ul>
IV.	T10 L 05	Apply principles and strategies of IMNCI	<p><b>Integrated management of neonatal and childhood Illnesses</b></p>	<p><i>Modular based teaching:</i> <b>IMNCI module</b></p> <ul style="list-style-type: none"> <li>• Clinical practice/field</li> </ul>	<ul style="list-style-type: none"> <li>• OSCE</li> </ul>
V.	28	Describe the etiology, pathophysiology, clinical manifestation and nursing management of children with disorders of respiratory, cardiovascular, gastrointestinal, genitourinary, nervous and endocrine system	<p><b>Nursing management in common childhood diseases.</b></p> <p><b>Respiratory system:</b></p> <ul style="list-style-type: none"> <li>• Identification and Nursing management of congenital malformations</li> <li>• Congenital disorders: Tracheoesophageal fistula, Diaphragmatic hernia</li> <li>• Others: Acute nasopharyngitis, Tonsillitis, Croup, Bronchitis, Bronchiolitis, Pneumonia, Asthma</li> </ul> <p><b>Cardiovascular system:</b></p> <ul style="list-style-type: none"> <li>• Identification and Nursing management of congenital malformations</li> <li>• Congenital heart diseases:</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> </ul>

			<p>Cyanotic and Acyanotic (ASD,VSD, PDA,TOF)</p> <ul style="list-style-type: none"> <li>• Others: - Rheumatic fever and Rheumatic heart disease, Congestive cardiac failure</li> <li>• Hematological conditions: <ul style="list-style-type: none"> <li>a) Congenital: Hemophilia, Thalassemia.</li> <li>b) Others: Anemia, Leukemia, Idiopathic thrombocytopenic purpura, Hodgkins and non-hodgkins lymphoma</li> </ul> </li> </ul> <p><b>Gastro-intestinal system:</b></p> <ul style="list-style-type: none"> <li>• Identification and Nursing management of congenital malformations.</li> <li>• Congenital: Cleft lip, Cleft palate, Congenital hypertrophic pyloric stenosis, Hirschsprungs disease (Megacolon), Anorectal malformation, Malabsorption syndrome, Abdominal wall defects, Hernia</li> </ul> <p><b>Others:</b> Gastroenteritis, Diarrhea, Vomiting, Protein energy malnutrition, Intestinal obstruction, Hepatic diseases, intestinal parasites</p> <p><b>Genitourinary urinary system:</b></p> <ul style="list-style-type: none"> <li>• Identification and Nursing management of congenital malformations.</li> <li>• Congenital: Wilms tumor, Extrophy of bladder, Hypospadiasis, Epispadiasis, Obstructive uropathy</li> <li>• Others: Nephrotic syndrome, Acute glomerulo nephritis, renal failure</li> </ul> <p><b>Nervous system:</b></p> <ul style="list-style-type: none"> <li>• Identification and Nursing management of congenital malformations <ul style="list-style-type: none"> <li>a) Congenital: Spinabifida, Hydrocephalous.</li> <li>b) Others: Meningitis, Encephalitis, Convulsive</li> </ul> </li> </ul>		
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			<p>disorders (convulsions and seizures), Cerebral palsy head injury.</p> <p><b>Endocrine system:</b> Juvenile Diabetes mellitus, Hypothyroidism</p>		
<b>VI</b>	<b>T5 L5</b>	Develop ability to meet child- hood emergencies and perform child CPR	<ul style="list-style-type: none"> <li>• Child health emergencies: Accidents -causes and prevention, Poisoning, Foreign bodies, Hemorrhage, Burns and Drowning</li> <li>• NALS/PLS/PALS (AHA Guidelines)</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Workshop</li> </ul>	<ul style="list-style-type: none"> <li>• OSCE</li> </ul>

## CHILD HEALTH NURSING- I CLINICAL

**PLACEMENT: V SEMESTER-**

2 credits (160 Hrs)

**CLINICAL- 3 Credits (240 Hours) 8 weeks x 30 hours/week (5 weeks + 3 weeks)**

### PRACTICE COMPETENCIES

On completion of the course, the students will be able to

1. Perform assessment of children: health, developmental & anthropometric
2. Provide nursing care to children with various medical disorders
3. Provide pre & postoperative care to children with common pediatric surgical conditions/ malformation
4. Perform immunization as per NIS
5. Provide nursing care to critically ill children
6. Give health education/ nutritional education to parents
7. Counsel parents according to identified counseling needs

### CLINICAL POSTINGS

Clinical area/unit	Duration (in weeks)	Learning Outcomes	Procedural competencies/Clinical skills	Clinical Requirements	Assessment Methods
Pediatric Medical Ward	<b>V Sem - 2 Weeks</b>	<ul style="list-style-type: none"> <li>• Provide nursing care to children with various medical disorders</li> </ul>	<ul style="list-style-type: none"> <li>• Taking pediatric history</li> <li>• Physical examination &amp; assessment of children</li> <li>• Administration of oral, I/M, &amp; I/V. medicine/ fluids</li> <li>• Calculation of fluid replacement</li> <li>• Preparation of different strengths of I/V fluids</li> <li>• Baby bath/sponge bath</li> <li>• Feeding children by Katori spoon, Paladai cup</li> <li>• Teaching mothers/ parents                             <ul style="list-style-type: none"> <li>❖ Malnutrition</li> <li>❖ Oral rehydration therapy</li> <li>❖ Feeding &amp; Weaning</li> <li>❖ Immunization schedule</li> </ul> </li> <li>• Play therapy</li> </ul>	<ul style="list-style-type: none"> <li>• Nursing care plan- 1</li> <li>• Health talk - 1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Assess each skill with checklist OSCE/ OSPE</li> <li>• Evaluation of case study/ presentation &amp; health education session</li> <li>• Completion of activity record.</li> </ul>

<b>Clinical area/unit</b>	<b>Duration (in weeks)</b>	<b>Learning Outcomes</b>	<b>Procedural competencies/Clinical skills</b>	<b>Clinical Requirements</b>	<b>Assessment Methods</b>
Pediatric Surgical Ward	<b>V Sem- 2 Weeks</b>	<ul style="list-style-type: none"> <li>Recognize different pediatric surgical conditions/ malformations</li> <li>Provide pre &amp; post operative care to children with common paediatric surgical conditions/ malformation</li> <li>Counsel &amp; educate parents</li> </ul>	<ul style="list-style-type: none"> <li>Calculation, preparation &amp; administration of I/V fluids</li> <li>Feeding <ul style="list-style-type: none"> <li>Naso-gastric</li> <li>Gastrostomy</li> <li>Jejunostomy</li> </ul> </li> <li>Care of surgical wounds <ul style="list-style-type: none"> <li>Dressing</li> <li>Suture removal</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Case study/ presentation – 1</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist OSCE/ OSPE</li> <li>Evaluation of case study/ presentation</li> <li>Completion of activity record.</li> </ul>
Pediatric OPD/Immunization room	<b>V Sem- 1 Week</b>	<ul style="list-style-type: none"> <li>Perform assessment of children: health, developmental &amp; anthropometric</li> <li>Perform immunization</li> <li>Give health education/ nutritional education</li> </ul>	<ul style="list-style-type: none"> <li>Assessment of children <ul style="list-style-type: none"> <li>Health assessment</li> <li>Developmental assessment</li> <li>Anthropometric assessment</li> <li>Nutritional assessment</li> </ul> </li> <li>Immunization</li> <li>Health / Nutritional education</li> </ul>	<ul style="list-style-type: none"> <li>Growth and Developmental study: Infant -1 Toddler-1 Preschooler -1 Schooler-1 Adolescent-1</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Completion of activity record.</li> </ul>

### **Skill Lab**

Use of Manikins and Simulators

### **NALS, PLS/PALS, CPAP, Endotracheal Suction**

#### **Pediatric Nursing Procedures:**

- Administration of medication-oral, IM & IV
- Oxygen administration
- Application of restraints
- Specimen collection
- Urinary catheterization and drainage
- Ostomy care
- Feeding-NG, gastrostomy, Jejunostomy
- Wound dressing
- Suture removal

**INTERNSHIP  
(INTEGRATED PRACTICE)**

**CHILD HEALTH NURSING – PRACTICAL**

**Placement: VIII Semester**

**Time: Internship – 4 weeks**

<b>Clinical area/unit</b>	<b>Duration (in weeks)</b>	<b>Learning Outcomes</b>	<b>Procedural competencies/Clinical skills</b>	<b>Assessment methods</b>
Pediatric Medical Ward/ICU	<b>1</b>	<ul style="list-style-type: none"> <li>• Provide Comprehensive care to children with various medical conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> </ul>
Pediatric Surgical Ward/ICU	<b>1</b>	<ul style="list-style-type: none"> <li>• Provide Comprehensive care to children with various surgical conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> </ul>
NICU	<b>2</b>	<ul style="list-style-type: none"> <li>• Provide Intensive care to neonates</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> </ul>

## MENTAL HEALTH NURSING I

**PLACEMENT:** V SEMESTER

**THEORY:** 4 Credits (80 Hours)  
**Clinical:** 1 Credit (80 Hours)

**DESCRIPTION:** This course is designed to develop basic understanding of the principles and standards of mental health nursing and skill in application of nursing process in assessment and care of patients with mental health disorders.

### **COMPETENCIES:**

On completion of the course, the students will be competent to

1. Trace the historical development of mental health nursing and discuss its scope
2. Identify the classification of the mental disorders
3. Develop basic understanding of the principles and concepts of mental health nursing
4. Apply the INC practice standards for psychiatric mental health nursing in supervised clinical settings
5. Conduct mental health assessment
6. Identify and maintain therapeutic communication and nurse patient relationship
7. Demonstrate knowledge of the various treatment modalities and therapies used in mental disorders
8. Apply nursing process in delivering care to patients with mental disorders
9. Provide nursing care to patients with schizophrenia and other psychotic disorders based on assessment findings and treatment/therapies used
10. Provide nursing care to patients with mood disorders based on assessment findings and treatment/therapies used
11. Provide nursing care to patients with neurotic disorders based on assessment findings and treatment/therapies used
12. Demonstrate skills in caring for patients with substance use disorders
13. Identify the needs of patients with personality and sexual disorders and provide appropriate care
14. Provide nursing care to patients with childhood and adolescent disorders based on assessment findings and treatment/therapies used

## COURSE OUTLINE

UNIT	TIME (HRS)	LEARNING OUTCOMES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
I	6 (T)	<p>Describe the historical development &amp; current trends in mental health nursing</p> <p>Discuss the scope of mental health nursing</p> <p>Describe the concept of normal &amp; abnormal behaviour</p>	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>• Perspectives of Mental Health and Mental Health Nursing, evolution of mental health services, treatments and nursing practices</li> <li>• Mental health team</li> <li>• Nature &amp; scope of mental health nursing</li> <li>• Role &amp; functions of mental health nurse in various settings and factors affecting the level of nursing practice</li> <li>• Concepts of normal and abnormal behaviour</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum Discussion</li> </ul>	
II	10	<p>Define the various terms used in mental health Nursing</p> <p>Explain the classification of mental disorders</p> <p>Explain the psychodynamics of maladaptive behaviour</p> <p>Discuss the etiological factors &amp; psychopathology of mental</p>	<p><b>Principles and Concepts of Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>• Definition: mental health nursing and terminology used</li> <li>• Classification of mental disorders: ICD &amp; DSM</li> <li>• Review of personality development, defense mechanisms</li> <li>• Etiology bio-psychosocial factors</li> <li>• Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts</li> <li>• Review of personality development</li> </ul>	

		<p>disorders</p> <p>Explain the principles and standards of Mental health Nursing</p> <p>Describe the conceptual models of mental health nursing</p>	<p>neurotransmission</p> <ul style="list-style-type: none"> <li>• Principles of Mental health Nursing</li> <li>• Ethics and responsibilities</li> <li>• Practice Standards for Psychiatric Mental health Nursing (INC standards)</li> <li>• Conceptual models and the role of nurse: <ul style="list-style-type: none"> <li>• Existential model</li> <li>• Psychoanalytical models</li> <li>• Behavioural model</li> <li>• Interpersonal model</li> </ul> </li> </ul>		
III	6	Describe nature, purpose and process of assessment of mental health status	<p><b>Mental Health Assessment</b></p> <ul style="list-style-type: none"> <li>• History taking</li> <li>• Mental status examination</li> <li>• Mini mental status examination</li> <li>• Neurological examination</li> <li>• Investigations: Related Blood chemistry, EEG, CT &amp; MRI</li> <li>• Psychological tests</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Clinical practice</li> </ul>	
IV	6	<p>Identify therapeutic communication &amp; techniques</p> <p>Describe therapeutic relationship</p> <p>Describe therapeutic impasses and its interventions</p>	<p><b>Therapeutic communication and nurse-patient relationship</b></p> <ul style="list-style-type: none"> <li>• Therapeutic communication: Types, techniques, characteristics and barriers</li> <li>• Therapeutic nurse-patient relationship</li> <li>• Interpersonal relationship- Elements of nurse patient contract, Review of technique of IPR- Johari</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Role play</li> <li>• Process recording</li> <li>• Simulation (video)</li> </ul>	

			<p>window</p> <ul style="list-style-type: none"> <li>• Therapeutic impasse and its management</li> </ul>		
V	10	<p>Explain treatment modalities and therapies used in mental disorders and role of the nurse</p>	<p><b>Treatment modalities and therapies used in mental disorders</b>  <b>Physical therapies:</b>          Psychopharmacology, Electro Convulsive therapy  <b>Psychological Therapies:</b>          Psychotherapy, Behaviour therapy, CBT,  <b>Psychosocial:</b> Group therapy, Family therapy, Therapeutic Community, Recreational therapy, Art therapy (Dance, Music etc), Occupational therapy  <b>Alternative &amp; Complementary:</b> Yoga, meditation, Relaxation  <b>Consideration for special populations</b></p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Group work</li> <li>• Practice session</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>
VI	8	<p>Describe the etiology, psychodynamics/pathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders</p>	<p><b>Nursing management of patient with Schizophrenia, and other psychotic disorders</b></p> <ul style="list-style-type: none"> <li>• Prevalence and incidence</li> <li>• Classification</li> <li>• Etiology, psychodynamics, clinical manifestation, diagnostic criteria/formulations</li> </ul> <p><b>Nursing process</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment-History, Physical and mental assessment</li> <li>• Treatment modalities and</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>

			<p>nursing management of patients with Schizophrenia and other psychotic disorders</p> <ul style="list-style-type: none"> <li>• Geriatric considerations and considerations for special populations</li> <li>• Follow up and home care and rehabilitation</li> </ul>		
VII	6	Describe the etiology, psychodynamics, clinical manifestations, diagnostic criteria and management of patients with mood disorders	<p><b>Nursing management of patient with mood disorders</b></p> <ul style="list-style-type: none"> <li>• Prevalence and incidence</li> <li>• Mood disorders: Bipolar affective disorder, mania depression and dysthymia etc.</li> <li>• Etiology, psychodynamics, clinical manifestation, diagnosis</li> <li>• Nursing Assessment History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with mood disorders</li> <li>• Geriatric considerations/considerations for special populations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>
VIII	8	Describe the etiology, psychodynamics, clinical manifestations, diagnostic	<p><b>Nursing management of patient with neurotic, stress related and somatisation disorders</b></p> <ul style="list-style-type: none"> <li>• Prevalence and incidence</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>

		criteria and management of patients with neurotic, stress related and somatization disorders	<ul style="list-style-type: none"> <li>• classifications</li> <li>• Anxiety disorder, Phobias, Disassociative and Conversion disorder</li> <li>• Etiology, psychodynamics, clinical manifestation, diagnostic criteria/formulations</li> <li>• <b>Nursing Assessment:</b> History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with neurotic and stress related disorders</li> <li>• Geriatric considerations/Considerations for special populations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	practice	
IX	6	Describe the etiology, psychodynamics, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	<p><b>Nursing management patients with Substance use disorders</b></p> <ul style="list-style-type: none"> <li>• Prevalence and incidence</li> <li>• Commonly used psychotropic substance: classifications, forms, routes, action, intoxication and withdrawal</li> <li>• Psychodynamics/etiology of substance use disorder (Terminologies - Substance Use, Abuse, tolerance, Dependence, Withdrawal)</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>

			<ul style="list-style-type: none"> <li>• Diagnostic criteria/formulations</li> <li>• Nursing Assessment-History (substance history), Physical, mental assessment and drug and drug assay</li> <li>• Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction, Brief interventions, MET, refusal skills, maintenance therapy) and nursing management of patients with substance use disorders</li> <li>• Special considerations for Vulnerable population</li> <li>• Follow-up and home care and rehabilitation</li> </ul>		
X	6	<ul style="list-style-type: none"> <li>• Describe the etiology, psychodynamics, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders</li> </ul>	<p><b>Nursing management of patient with Personality and Sexual disorders</b></p> <ul style="list-style-type: none"> <li>• Prevalence and incidence</li> <li>• Classification of disorders</li> <li>• Etiology, psychopathology, characteristics, diagnosis</li> <li>• Nursing Assessment-History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>

			Personality, Sexual and Eating disorders <ul style="list-style-type: none"> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>		
XI	8	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	<b>Nursing management of Behavioural &amp; Emotional disorders occurring during childhood and adolescence</b> (Intellectual disability, autism, attention deficit, hyperactive disorder, eating disorder, learning disorder) <ul style="list-style-type: none"> <li>• Prevalence and incidence</li> <li>• Classifications</li> <li>• Etiology, psychodynamics, Characteristics, diagnostic criteria/formulations</li> <li>• Nursing Assessment-History, Physical, mental status examination and IQ assessment</li> <li>• Treatment modalities and nursing management of childhood disorders including intellectual disability</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>

## **NURSING MANAGEMENT AND LEADERSHIP**

**PLACEMENT:** V Semester

**THEORY:** 3credits (60 hours)

2 credits (80 hours)

Lab: 10 hours

Clinical: 70 hours

**DESCRIPTION:** This course is designed to enable students to acquire knowledge and competencies in areas of administration, and management of nursing services and education. Further prepares the students to develop leadership competencies and perform their role as effective leaders in an organization.

### **COMPETENCIES**

On completion of the course, the students will be able to

1. Analyze the health care trends influencing development of nursing services and education in India
2. Describe the principles, functions and process of management applied to nursing
3. Develop basic understanding and beginning competencies in planning and organizing nursing services in a hospital
4. Apply the concept of human resource management and identify the job description for all categories of nursing personnel including in service education
5. Discuss the principles and methods of staffing and scheduling in an individual hospital/nursing unit
6. Develop skill in management of materials and supplies including inventory control
7. Develop team working and inter professional collaboration competencies
8. Identify effective leadership styles and develop leadership competencies
9. Utilize the knowledge of principles and line of control and participate in quality management and evaluation activities
10. Utilize the knowledge related to financial planning in nursing services and education during budgetary process
11. Apply the knowledge of nursing informatics in maintenance of records and reports relevant to patient information, nursing care and progress
12. Demonstrate understanding of the INC guidelines for establishment and accreditation of educational institutions in terms of faculty norms, physical infrastructure and clinical facilities
13. Demonstrate beginning competencies in planning, organizing and staffing at college including implementation and evaluation of curriculum
14. Identify the legal issues and laws relevant to nursing practice and education
15. Apply the knowledge and utilize the various opportunities for professional advancement

## COURSE OUTLINE

**THEORY: 60 Hours (3 Credits)**

UNIT	TIME (Hours)		LEARNING OUTCOMES	CONTENT	TEACHING/ LEARNING ACTIVITIES	ASSESSMENT METHODS
	T	P				
I	1		Explore the health care, development of nursing services and education in India and trends	<b>Health care and development of nursing services in India</b> <ul style="list-style-type: none"> <li>• Current health care delivery system of India-review</li> <li>• Planning and development of nursing services and education at global and national scenario</li> <li>• Recent trends and issues of nursing service and management</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> <li>• Directed reading and written assignment</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer type</li> <li>• Assessment of assignment</li> </ul>
II	2		Explain the principles and functions of management applied to nursing  Describe the introductory concepts of management as a process	<b>Management basics applied to Nursing</b> <ul style="list-style-type: none"> <li>• Definitions, concepts and theories of management</li> <li>• Importance, features and levels of management</li> <li>• Management and administration</li> <li>• Functions of management</li> <li>• Principles of management</li> <li>• Role of a nurse as a manager</li> </ul> <b>Introduction to Management process</b> <ul style="list-style-type: none"> <li>• Planning</li> <li>• Organizing</li> <li>• Staffing</li> <li>• Directing/Leading</li> <li>• Controllin</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture &amp; Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• MCQ</li> <li>• Short answer type</li> </ul>

				<b>MANAGEMENT OF NURSING SERVICES</b>		
<b>III</b>	4		Describe the essential elements of planning	<b>Planning nursing services</b> <ul style="list-style-type: none"> <li>• Vision, Mission, philosophy, objectives</li> <li>• Nursing service policies, procedures and manuals</li> <li>• Functional and operational planning</li> <li>• Strategic planning</li> <li>• Program planning: Gantt chart &amp; milestone chart</li> <li>• Budgeting- concepts, principles, types,</li> <li>• Budget proposal, cost benefit analysis</li> <li>• Planning hospital and patient care unit (Ward)</li> <li>• Planning for emergency and disaster</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture &amp; Discussion</li> <li>• Visit to specific hospital/ patient care units</li> <li>• Demonstration of disaster drill in the respective setting</li> </ul>	<ul style="list-style-type: none"> <li>• Formulate Mission &amp; Vision Statement for the nursing department/ unit</li> <li>• Assessment of problem-solving exercises</li> <li>• Visit Report</li> </ul>
<b>IV</b>	4	2	Discuss the concepts of organizing including hospital organization	<b>Organizing</b> <ul style="list-style-type: none"> <li>• Organizing as a process-assignment, delegation and coordination</li> <li>• Hospital –types, functions &amp; organization</li> <li>• Organizational development</li> <li>• Organizational structure</li> <li>• Organizational charts</li> <li>• Organizational effectiveness</li> <li>• Hospital administration, Control &amp; line of authority</li> <li>• Hospital statistics including hospital utilization indices</li> <li>• Nursing care delivery systems and trends</li> <li>• Role of nurse in maintenance of effective organizational climate</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> <li>• Comparison of organizational structure of various organizations</li> <li>• Nursing care delivery systems – assignment</li> <li>• Preparation of Organizational chart of hospital/ Nursing services</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Assessment of assignment</li> </ul>
<b>V</b>	8	2	Identify the significance of human resource management (HRM) and material	<b>Staffing (Human resource management)</b> <ul style="list-style-type: none"> <li>• Definition, objectives, components and functions</li> </ul> <i>Staffing &amp; Scheduling</i> <ul style="list-style-type: none"> <li>• Staffing-Philosophy,</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture &amp; Discussion, role play</li> </ul>	<ul style="list-style-type: none"> <li>• Formulate Job description at different levels of care &amp;</li> </ul>

		<p>management and discuss its elements</p> <p>Explain the procedural steps of material management</p> <p>Develop managerial skill in inventory control and actively participate in procurement process</p>	<p>staffing activities</p> <ul style="list-style-type: none"> <li>Recruiting, selecting, deployment</li> <li>Training, development, credentialing, retaining, promoting, transfer, terminating, superannuation</li> <li>Staffing units- Projecting staffing requirements /calculation of requirements of staff resources Nurse patient ratio, Nurse Population ratio as per SIU norms/IPH Norms, and Patient classification system</li> <li>Categories of nursing personnel including job description of all levels</li> <li>Assignment and nursing care responsibilities</li> <li>Turnover and absenteeism</li> <li>Staff welfare</li> <li>Discipline and grievances</li> </ul> <p><b>In-service education</b></p> <ul style="list-style-type: none"> <li>Nature and scope of in-service education program</li> <li>Principles of adult learning-review</li> <li>Planning and organizing in-service educational program</li> <li>Methods, techniques and evaluation</li> <li>Preparation of report</li> </ul> <p><b>Material resource management</b></p> <ul style="list-style-type: none"> <li>Procurement, purchasing process, inventory control &amp; role of nurse</li> <li>Auditing and maintenance in hospital and patient care unit</li> </ul>	<ul style="list-style-type: none"> <li>Games self-assessment, Case discussion and practice session</li> <li>Calculation of staffing requirements for a specified ward</li> </ul> <p>Visit to inventory store of the institution</p>	<p>compare with existing system</p> <ul style="list-style-type: none"> <li>Preparation of duty roster</li> <li>Preparation of MMF/records</li> <li>Preparation of log book &amp; condemnation documents</li> <li>Visit Report</li> </ul>
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<b>VI</b>	5	6	Describe the important methods of supervision and guidance	<b>Directing and leading</b> <ul style="list-style-type: none"> <li>• Definition, principles, elements of directing</li> <li>• Supervision and guidance</li> <li>• Participatory management</li> <li>• Inter professional collaboration</li> <li>• Management by objectives</li> <li>• Team management</li> <li>• Assignments, rotations</li> <li>• Maintenance of discipline</li> <li>• Leadership in management</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture &amp; Discussion</li> <li>• Demonstration of record &amp; report maintenance in specific wards/ departments</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment on Reports &amp; Records maintained in nursing department/</li> <li>• Preparation of protocols and manuals</li> </ul>
<b>VII</b>	4		Discuss the significance and changing trends of nursing leadership  Analyze the different leadership styles and develop leadership competencies	<b>Leadership</b> <ul style="list-style-type: none"> <li>• Definition, concepts, and theories</li> <li>• Leadership principles and competencies</li> <li>• Leadership styles- Situational leadership, Transformational leadership</li> <li>• Methods of leadership development</li> <li>• Mentorship/ preceptorship in nursing</li> <li>• Delegation, power &amp; politics, empowerment, mentoring and coaching</li> <li>• Decision making and problem solving</li> <li>• Conflict management and negotiation</li> <li>• Implementing planned change</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> <li>• Self-assessment</li> <li>• Report on types of leadership adopted at different levels of health care in the given setting</li> <li>• Problem solving/ Conflict management exercise</li> <li>• Observation of managerial roles at different levels (middle level managers-ward incharge, ANS)</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Essay</li> <li>• Assessment of exercise/report</li> </ul>
<b>VIII</b>	3		Explain the process of controlling and its activities	<b>Controlling</b> <ul style="list-style-type: none"> <li>• Implementing standards, policies, procedures, protocols and practices</li> <li>• Nursing performance audit, patient satisfaction</li> <li>• Nursing rounds, Documentation-records and reports</li> <li>• Total quality management- Quality assurance, Quality and safety</li> <li>• Performance appraisal</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> <li>• Preparation of policies/protocols for nursing units/department</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of prepared protocols</li> </ul>

				<ul style="list-style-type: none"> <li>• Program evaluation review technique (PERT)</li> <li>• Bench marking, Activity plan (Gantt chart)</li> <li>• Critical path analysis</li> </ul>		
<b>IX</b>	3		<p>Explain the concepts of organizational behavior and group dynamics</p>	<p><b>Organizational behavior and human relations</b></p> <ul style="list-style-type: none"> <li>• Concepts and theories of organizational behavior</li> <li>• Group dynamics</li> <li>• Review: Interpersonal relationship</li> <li>• Human relations</li> <li>• Public relations in the context of nursing</li> <li>• Relations with professional associations and employee unions</li> <li>• Collective bargaining</li> <li>• Review: Motivation and morale building</li> <li>• Communication in the workplace-assertive communication</li> <li>• Committees- importance in the organization, functioning</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture &amp; Discussion</li> <li>• Role play/exercise- Group dynamics &amp; human relations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• OSCE</li> </ul>
<b>X</b>	2		<p>Describe the financial management related to nursing services</p>	<p><b>Financial management</b></p> <ul style="list-style-type: none"> <li>• Definition, objectives, elements, functions, principles &amp; scope of financial management</li> <li>• Financial planning (budgeting for nursing department)</li> <li>• Proposal, projecting requirement for staff, equipment and supplies for: Hospital &amp; patient care units &amp; emergency and disaster units</li> <li>• Budget and Budgetary process</li> <li>• Financial audit</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> <li>• Budget proposal review</li> <li>• Preparation of budget proposal for a specific department</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer type</li> <li>• Essay</li> <li>• Assessment of assignment</li> </ul>

<b>XI</b>	1		Review the concepts, principles and methods and use of nursing informatics	<b>Nursing informatics/Information management -Review</b> <ul style="list-style-type: none"> <li>• Patient records</li> <li>• Nursing records</li> <li>• Use of computers in hospital, college and community</li> <li>• Telemedicine &amp; Tele nursing</li> <li>• Electronic Medical Records (EMR), EHR</li> </ul>	<ul style="list-style-type: none"> <li>• Review</li> <li>• Practice session</li> <li>• Visit to departments</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer type</li> </ul>
<b>XII</b>	1		Review personal management in terms of management of emotions, stress and resilience	<b>Personal Management-review</b> <ul style="list-style-type: none"> <li>• Emotional intelligence</li> <li>• Resilience building</li> <li>• Stress and time management-de stressing</li> <li>• Career planning</li> </ul>	<ul style="list-style-type: none"> <li>• Review</li> <li>• Discussion</li> </ul>	
<b>XIII</b>	4		Describe the process of establishing educational institutions and its accreditation guidelines	<b>Establishment of nursing educational institutions</b> <ul style="list-style-type: none"> <li>• Indian Nursing Council norms and guidelines- Faculty norms, physical facilities, clinical facilities, curriculum implementation, and evaluation/examination guidelines</li> <li>• Coordination with regulatory bodies- INC and State Nursing Council</li> <li>• Accreditation-Inspections</li> <li>• Affiliation with university/State council/board of examinations</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture &amp; discussion</li> <li>• Visit to one of the regulatory bodies</li> </ul>	<ul style="list-style-type: none"> <li>• Visit report</li> </ul>
<b>XIV</b>	4		Explain the planning and organizing functions of a nursing college	<b>Planning and organizing</b> <ul style="list-style-type: none"> <li>• Philosophy, objectives and mission of the college</li> <li>• Organization structure of school/college</li> <li>• Review: Curriculum planning</li> <li>• Planning teaching and learning experiences, clinical facilities- master plan, time table and clinical rotation</li> <li>• Budget planning-faculty,</li> </ul>	<ul style="list-style-type: none"> <li>• Directed reading- INC Curriculum</li> <li>• Preparation of organizational structure of the college</li> <li>• Written assignment-writing philosophy of a teaching department</li> <li>• Preparation of master plan, time</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Essay</li> <li>• Assessment of assignment</li> </ul>

			<p>staff, equipment &amp; supplies, AV aids, Lab equipment, library books, journals, computers and maintenance</p> <ul style="list-style-type: none"> <li>• Infrastructure facilities- college, classrooms, hostel, library, labs, computer lab, transport facilities</li> <li>• Records &amp; reports for students, staff, faculty and administrative</li> <li>• Committees and functioning</li> <li>• Clinical experiences</li> </ul>	table and clinical rotation	
<b>XV</b>	4	Develop understanding of staffing the college and selecting the students	<p><b>Staffing and Student selection</b></p> <ul style="list-style-type: none"> <li>• Faculty/staff selection, recruitment and placement, job description</li> <li>• Performance appraisal</li> <li>• Faculty development</li> <li>• Faculty/staff welfare</li> <li>• Student recruitment, admission, clinical placement</li> </ul>	<ul style="list-style-type: none"> <li>• Guided reading on faculty norms</li> <li>• Faculty welfare activities report</li> <li>• Writing job description of tutors</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Activity report</li> <li>• Assessment of job description</li> </ul>
<b>XVI</b>	4	Analyze the leadership and management activities in an educational organization	<p><b>Directing and controlling</b></p> <ul style="list-style-type: none"> <li>• Review: Curriculum implementation and evaluation</li> <li>• Leadership and motivation, supervision-review</li> <li>• Guidance and counseling</li> <li>• Quality management- educational audit</li> <li>• Program evaluation, evaluation of performance</li> <li>• Maintaining discipline</li> <li>• Institutional records and reports- administrative, faculty, staff and students</li> </ul>	<ul style="list-style-type: none"> <li>• Review principles of evaluation</li> <li>• <b>Assignment-</b> Identify disciplinary problems among students</li> <li>• Writing student record</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Assessment of assignment and record</li> </ul>
<b>XVII</b>	4	Identify various legal issues and laws relevant to nursing practice	<p><b>PROFESSIONAL CONSIDERATIONS</b></p> <p><b>Review: Legal and Ethical issues</b></p> <ul style="list-style-type: none"> <li>• Nursing as a profession: Characteristics of a professional nurse</li> <li>• Nursing practice- philosophy, aim and objectives</li> </ul>		

			<ul style="list-style-type: none"> <li>Regulatory bodies –INC and SNC constitution and functions</li> </ul> <p><i>Review: Professional ethics</i></p> <ul style="list-style-type: none"> <li>Code of ethics and professional conduct-INC &amp; ICN</li> <li>Practice standards for nursing-INC</li> <li>International Council for Nurses (ICN)</li> </ul> <p><i>Legal aspects in nursing:</i></p> <ul style="list-style-type: none"> <li>Consumer protection act, patient rights</li> <li>Legal terms related to practice, legal system-types of law, tort law &amp; liabilities</li> <li>Laws related to nursing practice-negligence, malpractice, breach, penalties,</li> <li>Invasion of privacy, defamation of character</li> <li>Nursing regulatory mechanisms-registration, licensure, renewal, accreditation, nurse practice act, regulation for nurse practitioner/specialist nursing practice</li> </ul>			
<b>XVIII</b>	2		<p>Explain various opportunities for professional advancement</p>	<p><b>Professional advancement</b></p> <ul style="list-style-type: none"> <li>Continuing Nursing Education</li> <li>Career opportunities</li> <li>Membership with professional organizations-national and international</li> <li>Participation in research activities</li> <li>Publications-journals, newspaper</li> </ul>	<ul style="list-style-type: none"> <li>Prepare journal list available in India</li> <li>Write an article-research/clinical</li> </ul>	<ul style="list-style-type: none"> <li>Assessment of assignments</li> </ul>
		70 hrs			<p><b>Clinical posting-Management experience in hospital/college</b></p>	

## **80 hrs (Lab-10 and clinical-70 hrs)**

### **Practice competencies:**

#### **Hospital**

1. Prepare organizational chart of hospital/ Nursing services/nursing department
2. Calculate staffing requirements for a particular nursing unit/ward
3. Formulate Job description at different levels of care
4. Prepare duty roster for staff/ students at different levels
5. Participate in procuring/purchase of equipment & supplies
6. Prepare log book/MMF for specific equipment/ materials
7. Maintain and store inventory and keep daily records
8. Prepare and maintain various records & reports of the settings-incident reports/adverse reports/audit reports
9. Prepare and implement protocols & manuals
10. Participate in supervision, evaluation and conducting in service education for the staff

#### **College & Hostel**

1. Prepare organizational chart of college
2. Formulate job description for tutors
3. Prepare Master plan, time table and clinical rotation
4. Prepare student anecdotes
5. Participate in planning, conducting and evaluation of clinical teaching
6. Participate in evaluation of students' clinical experience
7. Participate in planning and conducting practical examination OSCE-end of posting

## **NURSING RESEARCH AND STATISTICS**

**PLACEMENT:** V SEMESTER

THEORY - 2 Credits (40 Hours)

1 Credits (80 Hours)

Lab: 30hrs

Clinical project-50hrs

**DESCRIPTION:** The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/participate in need-based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

### **COMPETENCIES**

On completion of the course, students will be competent to

1. Identify research priority areas
2. Formulate research questions/problem statement/hypotheses
3. Review related literature on selected research problem and prepare annotated bibliography
4. Prepare sample data collection tool
5. Analyze and interpret the given data
6. Practice computing, descriptive statistics and correlation
7. Draw figures and types of graphs on given select data
8. Develop a research proposal
9. Plan and conduct a group/individual research project

UNIT	TIME (HRS)		LEARNING OUTCOMS	CONTENT	TEACHING/ LEARNING ACTIVITIES	ASSESSMENT METHODS
	T	P				
I	6		Describe the concept of research, terms, need and areas of research in nursing  Explain the steps of research process	<b>Research and research Process</b> <ul style="list-style-type: none"> <li>• Introduction and need for nursing research</li> <li>• Definition of Research &amp; nursing research</li> <li>• Steps of scientific method</li> <li>• Characteristics of good research</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Narrate steps of research process followed from examples of published studies</li> <li>• Identify research priorities on a given area/specialty</li> </ul> List examples of Evidence Based Practice	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> </ul>

			State the purposes and steps of Evidence Based Practice	<ul style="list-style-type: none"> <li>• Steps of Research process-overview</li> <li>• Evidence Based Practice: Concept, Meaning, Purposes, Steps of EBP Process and Barriers</li> </ul>		
II	2	6	Identify and state the research problem and objectives	<b>Research Problem/Question</b> <ul style="list-style-type: none"> <li>• Identification of problem area</li> <li>• Problem statement</li> <li>• Criteria of a good research problem.</li> <li>• Writing objectives and hypotheses</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Exercise on writing statement of problem and objectives</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Formulation of research questions/objectives/hypothesis</li> </ul>
III	2	6	Review the related literature	<b>Review of Literature</b> <ul style="list-style-type: none"> <li>• Location</li> <li>• Sources</li> <li>• On line search; CINHAL, COCHRANE etc</li> <li>• Purposes</li> <li>• Method of review</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum Discussion</li> <li>• Exercise on reviewing one research report/article for a selected research problem.</li> <li>• Prepare annotated Bibliography</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Assessment of review of literature on given topic presented</li> </ul>

IV	4		Describe the Research approaches and designs	<b>Research approaches and designs</b> <ul style="list-style-type: none"> <li>• Historical, survey and experimental</li> <li>• Qualitative and Quantitative designs</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Identify types of research approaches used from examples of published and unpublished research Studies with rationale</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> </ul>
V	6	4	<p>Explain the Sampling process</p> <p>Describe the methods of data collection</p>	<b>Sampling and data Collection</b> <ul style="list-style-type: none"> <li>• Definition of Population, Sample,</li> <li>• Sampling criteria, factors influencing sampling process, types of sampling techniques.</li> <li>• Data- why, what, from whom, when and where to collect.</li> <li>• Data collection methods and instruments- <ul style="list-style-type: none"> <li>○ Methods of data collection</li> <li>○ Questioning, interviewing</li> <li>○ Observations, record analysis and measurement</li> <li>○ Types of instruments, Validity &amp; Reliability of the Instrument</li> </ul> </li> <li>• Research ethics</li> <li>• Pilot study</li> <li>• Data collection procedure</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Reading assignment on examples of data collection tools</li> <li>• Preparation of sample data collection tool</li> <li>• Conduct group research project</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer /Objective type</li> <li>• Developing questionnaire/ Interview Schedule/ Checklist</li> </ul>
VI	4	4	Analyze, Interpret and summarize the research data	<b>Analysis of data:</b> <ul style="list-style-type: none"> <li>• Compilation, Tabulation, classification, summarization, presentation, interpretation of data</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Preparation of sample tables.</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Analyze and interpret given data</li> </ul>

VII	12	6	<p>Explain the use of statistics, scales of measurement and graphical presentation of data.</p> <p>Describe the measures of central tendency and variability and methods of Correlation.</p>	<p><b>Introduction to statistics</b></p> <ul style="list-style-type: none"> <li>• Definition, use of statistics, scales of measurement.</li> <li>• Frequency distribution and graphical presentation of data</li> <li>• Mean, Median, Mode, Standard deviation</li> <li>• Normal Probability and tests of significance</li> <li>• Co-efficient of correlation</li> <li>• Statistical packages and its application</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Practice on graphical presentations</li> <li>• Practice on computation of measures of central tendency, variability &amp; correlation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Computation of descriptive statistics</li> </ul>
VIII	4	4	<p>Communicate and utilize the research findings.</p> <p>50hrs (Project)</p>	<p><b>Communication and utilization of Research</b></p> <ul style="list-style-type: none"> <li>• Communication of research findings</li> <li>• Verbal report</li> <li>• Writing research report</li> <li>• Writing scientific article/paper</li> <li>• Critical review of published research including publication ethics</li> <li>• Utilization of research findings</li> <li>• Conducting group research project</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Read/Presentations of a sample published/unpublished research report</li> <li>Plan, conduct and Write individual/group research project</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Oral Presentation</li> <li>• Development of research proposal</li> <li>Assessment of research Project.</li> </ul>

## HEALTH AND NURSING INFORMATICS AND TECHNOLOGY

**PLACEMENT:** V SEMESTER

**THEORY:** 1.5 Credits (30 Hours)

**PRACTICAL:** Lab- 0.5 Credit (20 Hours)

**DESCRIPTION:** This course is designed to equip novice nursing students with knowledge and skills necessary to deliver efficient informatics- led health care services.

### COMPETENCIES

On completion of the course, the students will be able to

1. Develop a basic understanding of computer application in patient care and nursing practice
2. Apply the knowledge of computer and information technology in patient care and nursing education, practice, administration and research
3. Describe the principles of health informatics and its use in developing superior healthcare
4. Demonstrate the use of information system in healthcare for patient care and utilization of nursing data
5. Demonstrate the knowledge of using EHR system in clinical practice
6. Apply the knowledge of interoperability standards in clinical setting
7. Apply the knowledge of information and communication technology in public health promotion
8. Utilize the functionalities of NIS system in nursing
9. Demonstrate the skills of using data in management of health care
10. Apply the knowledge of the principles of digital ethical and legal issues in clinical practice
11. Utilize evidence-based practices in informatics and technology for providing quality patient care
12. Update and utilize evidence-based practices in nursing education, administration, and practice.

### COURSE OUTLINE

UNIT	TIME (Hrs)		LEARNING OUTCOMES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
	T	P				
I	10	10	Describe the importance computer and technology in patient care and nursing practice	<b>Introduction to computer applications for patient care delivery system and nursing practice</b> <ul style="list-style-type: none"> <li>• Use of computers in teaching, learning, research and nursing practice</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Practice session</li> <li>• Supervised clinical practice on EHR use</li> <li>• Participate in data analysis using statistical package with statistician</li> </ul>	(T) <ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Visit reports</li> <li>• Assessment of assignments</li> </ul>

			Demonstrate the use of computer and technology in patient care, nursing education, practice, administration and research.	<ul style="list-style-type: none"> <li>Windows, MS office: Word, Excel, Power Point</li> <li>Internet</li> <li>Literature search</li> <li>Statistical packages</li> <li>Hospital management information system</li> </ul>	<ul style="list-style-type: none"> <li>Visit to hospitals with different hospital management systems</li> </ul>	(P) <ul style="list-style-type: none"> <li>Assessment of skills using checklist</li> </ul>
II	3	2	Describe the principles of health informatics  Explain the ways data, knowledge and information can be used for effective healthcare	<b>Principles of Health Informatics</b> <ul style="list-style-type: none"> <li>Health informatics- needs, objectives and limitations</li> <li>Use of data, information and knowledge for more effective healthcare and better health</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Practical session</li> <li>Work in groups with health informatics team in a hospital to extract nursing data and prepare a report</li> </ul>	(T) <ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of report</li> </ul>
III	2	2	Describe the concepts of information system in health  Demonstrate the use of health information system in hospital setting	<b>Information Systems in Healthcare</b> <ul style="list-style-type: none"> <li>Introduction to the role and architecture of information systems in modern healthcare environments</li> <li>Clinical Information System (CIS)/Hospital information System (HIS)</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration</li> <li>Practical session</li> <li>Work in groups with nurse leaders to understand the hospital information system</li> </ul>	(T) <ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> <li>Objective type</li> </ul>
IV	2	2	Explain the use of electronic health records in nursing practice  Describe the latest trend in electronic health records standards and interoperability	<b>Shared Care &amp; Electronic Health Records</b> <ul style="list-style-type: none"> <li>Challenges of capturing rich patient histories in a computable form</li> <li>Latest global developments and standards to enable lifelong electronic health records to be integrated from disparate systems.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Practice on Simulated EHR system</li> <li>Practical session</li> <li>Visit to health informatics department of a hospital to understand the use of EHR in nursing practice</li> <li>Prepare a report on current EHR standards in Indian setting</li> </ul>	(T) <ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> <li>Objective type</li> </ul> (P) <ul style="list-style-type: none"> <li>Assessment of skills using checklist</li> </ul>
V	2		Describe the advantages and	<b>Patient Safety &amp; Clinical Risk</b>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> </ul>	(T) <ul style="list-style-type: none"> <li>Essay</li> </ul>

			limitations of health informatics in maintaining patient safety and risk management	<ul style="list-style-type: none"> <li>Relationship between patient safety and informatics</li> <li>Function and application of the risk management process</li> </ul>		<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>
VI	2	2	<p>Explain the importance of knowledge management</p> <p>Describe the standardized languages used in health informatics</p>	<p><b>Clinical Knowledge &amp; Decision Making</b></p> <ul style="list-style-type: none"> <li>Role of knowledge management in improving decision-making in both the clinical and policy contexts</li> <li>Systematized Nomenclature of Medicine, Clinical Terms, SNOMED CT to ICD-10-CM Map, standardized nursing terminologies (NANDA, NOC), Omaha system.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration</li> <li>Practical session</li> <li>Work in groups to prepare a report on standardized languages used in health informatics.</li> <li>Visit health informatics department to understand the standardized languages used in hospital setting</li> </ul>	<p>(T)</p> <ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> <li>Objective type</li> </ul>
VII	2		<p>Explain the use of information and communication technology in patient care</p> <p>Explain the application of public health informatics</p>	<p><b>eHealth: Patients and the Internet</b></p> <ul style="list-style-type: none"> <li>Use of information and communication technology to improve or enable personal and public healthcare</li> <li>Introduction to public health informatics and role of nurses</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> <li>Objective type</li> <li>Practical exam</li> </ul>
VIII	3	2	<p>Describe the functions of nursing information system</p> <p>Explain the use of healthcare data in management of health care organization</p>	<p><b>Using Information in Healthcare Management</b></p> <ul style="list-style-type: none"> <li>Components of Nursing Information system(NIS)</li> <li>Evaluation, analysis and presentation of healthcare data to inform decisions in the management of healthcare organizations</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration on simulated NIS software</li> <li>Visit to health informatics department of the hospital to understand use of healthcare data in decision making</li> </ul>	<p>(T)</p> <ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> <li>Objective type</li> </ul>
IX	2		Describe the ethical and legal issues in healthcare informatics	<p><b>Information Law &amp; Governance in Clinical Practice</b></p> <ul style="list-style-type: none"> <li>Ethical-legal issues</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Case discussion/role</li> </ul>	<p>(T)</p> <ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> </ul>

			Explains the ethical and legal issues related to nursing informatics	<p>pertaining to healthcare information in contemporary clinical practice</p> <ul style="list-style-type: none"> <li>Ethical- legal issues related to digital health applied to nursing</li> </ul>	play	<ul style="list-style-type: none"> <li>Objective type (P)</li> <li>OSCE</li> </ul>
X	2		Explain the relevance of evidence-based practices in providing quality healthcare	<p><b>Healthcare Quality &amp; Evidence Based Practice</b></p> <ul style="list-style-type: none"> <li>Use of scientific evidence in improving the quality of healthcare and technical and professional informatics standards</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Case study</li> </ul>	<p>(T)</p> <ul style="list-style-type: none"> <li>Essay</li> <li>Short answers</li> <li>Objective type</li> </ul>

### SKILLS

- Utilize computer in improving various aspects of nursing practice
- Use technology in patient care and professional advancement
- Use data in professional development and efficient patient care
- Use information system in providing quality patient care.
- Use the information system to extract nursing data
- Conducting literature review

# INTRODUCTION TO FORENSIC NURSING AND INDIAN LAWS

**PLACEMENT:** V SEMESTER  
Hours)

**THEORY:** 1 Credit (20

## DESCRIPTION

This course is designed to help students to know the importance of forensic science in Total patient care and to recognize forensic nursing as a specialty discipline in Professional nursing practice.

## COMPETENCIES

On completion of the course, the students will be able to

1. Identify forensic nursing as an emerging specialty in healthcare and nursing practice
2. Explore the history and scope of forensic nursing practice
3. Identify forensic team, role and responsibilities of forensic nurse in total care of victim of violence and in preservation of evidence
4. Develop basic understanding of the Indian judicial system and legal procedure

## COURSE OUTLINE

UNIT	TIME (Hrs)	LEARNING OUTCOMES	CONTENT	TEACHING/ LEARNING ACTIVITES	ASSESSMENT METHODS
I	3	Describe the nature of forensic science and discuss issues concerning violence	<b>Forensic science</b> <ul style="list-style-type: none"><li>• Definition</li><li>• History</li><li>• Importance in medical science</li><li>• Forensic science laboratory</li></ul> <b>Violence</b> <ul style="list-style-type: none"><li>• Definition</li><li>• Epidemiology</li><li>• Source of data</li></ul> Sexual abuse-child and women	<ul style="list-style-type: none"><li>• Lecture cum discussion</li><li>• Visit to regional/state forensic science laboratory</li></ul>	<ul style="list-style-type: none"><li>• Quiz-MCQ</li><li>• Write visit report</li></ul>

I	2	Explain concepts of forensic nursing and scope of practice for forensic nurse	<b>Forensic nursing</b> <ul style="list-style-type: none"> <li>• Definition</li> <li>• History and development</li> <li>• Scope - setting of practice, areas of practice and subspecialties</li> <li>• Ethical issues</li> <li>• Roles and responsibilities of nurse</li> <li>• INC &amp; SNC Acts</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> </ul> <p>Objective type</p>
III	7	Identify members of forensic team and describe role of forensic nurse	<b>Forensic team</b> <ul style="list-style-type: none"> <li>• Members and their roles</li> </ul> <b>Comprehensive forensic nursing care of victim and family</b> <ul style="list-style-type: none"> <li>• Physical aspects</li> <li>• Psychosocial aspects</li> <li>• Cultural and spiritual aspects</li> <li>• Legal aspects</li> <li>• Assist forensic team in care beyond scope of her practice</li> <li>• Admission and discharge/referral/death of victim of violence</li> <li>• Responsibilities of nurse as a witness</li> </ul> <b>Evidence preservation- role of nurses</b> <ul style="list-style-type: none"> <li>• Observation</li> <li>• Recognition</li> <li>• Collection</li> <li>• Preservation</li> <li>• Documentation of Biological and other evidence related to criminal/traumatic event</li> <li>• Forwarding biological samples for forensic examination</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum Discussion</li> <li>• Hypothetical/real case presentation</li> <li>• Observation of post-mortem</li> <li>• Visit to department of forensic medicine</li> </ul>	<ul style="list-style-type: none"> <li>• Objective type</li> <li>• Short answer</li> <li>• Write report</li> </ul>