

HAND BOOK FOR STUDENTS

B.Sc., NURSING (4 YEARS) COURSE REGULATIONS

(Subject to modification from time to time)



2018 – 2019

Dr. N.T.R. UNIVERSITY OF HEALTH SCIENCES
VIJAYAWADA – 520 008

V. Sujatha

Principal

Sri Venkateswara College of Nursing
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.



13. COURSE OF STUDY

The Course of study and the scheme of examination for 4 YDC B.Sc., Nursing. Degree shall be as follows.

Duration:

Course duration	:	4 Years
Weeks available per year	:	52 weeks
Vacation	:	08 weeks
Gazetted holidays	:	03 weeks
Examination (Including preparatory)	:	04 weeks
Available weeks	:	37 weeks
Hours per week	:	40
Practical	:	30 hours per week
Theory	:	10 hours per week
Internship practical	:	48 hours per week
Hours available per academic year	:	1480 (37 weeks × 40 hours)

14.

COURSE INSTRUCTIONS

First Year

	Subject	Theory (In hrs). (class and lab)	Practical (In hrs) (clinic)	(In hrs)
1.	*English	60		
2.	Anatomy	60		
3.	Physiology	60		
4.	Nutrition	60		
5.	Biochemistry	30		
6.	Nursing Foundations	265 + 200	450	
7.	Psychology	60		
8.	Microbiology	60		
9.	Introduction to Computers	45		
10.	**Hindi/Regional Language	30		
11.	Library Work/Self Study			50
12.	Co-curricular activities			50
	Total Hours	930	450	100
	Total Hours=1480 hrs			

* Minimum pass marks – 40%

** Optional subject

Second Year

	Subject	Theory (In hrs). (class and lab)	Practical (In hrs) (clinic)	(In hrs)
1.	Sociology	-60		
2.	Pharmacology	45		
3.	Pathology and	30		
4.	Genetics	15		
5.	Medical-Surgical Nursing (Adult including Geriatrics)-I	210	720	
6.	Community Health Nursing-I	90	135	
7.	Communication and Educational Technology	60 + 30		
8.	Library Work/Self Study			50
9.	Co-curricular activities			35
	Total Hours	540	855	85
	Total hours = 1480 hrs			

Third Year

	Subject	Theory (In hrs) (class and lab)	Practical (In hrs) (clinic)	(In hrs)
1.	Medical-Surgical Nursing (Adult including Geriatrics)-II	150	270	
2.	Child Health Nursing	100	270	
3.	Mental Health Nursing	100	270	
4.	Midwifery and Obstetrical Nursing-I	40	180	
5.	Library Work/Self Study			50
6.	Co-curricular activities			50
	Total Hours	390	990	100
	Total hours = 1480 hrs			

Fourth Year

	Subject	Theory (In hrs) (class and lab)	Practical (In hrs) (clinic)	(In hrs)
1.	Midwifery and Obstetrical Nursing- II & Practical	60	180	
2.	Community Health Nursing-II	90	135	
3.	Nursing Research & Statistics	45	*	
4.	Management of Nursing Services & education	60 + 30		
	Total hours	285	315	
	Total hours = 600 hrs			

Project Work Should be carried out during internship.

Internship (Integrated Practice)

Practical = 30 hours per week

	Subject	Theory (In hrs). (class and lab)	Practical (In hrs) (clinic)	(In hrs)
1.	Midwifery and Obstetrical Nursing		240	5
2.	Community Health Nursing-II		195	4
3.	Medical-Surgical Nursing (Adult including Geriatrics)		430	9
4.	Child Health		145	3
5.	Mental Health		95	2
6.	Research Project		45	1
	Total Hours		1150	24
	Total hours = 1174 hrs			

Note :

1. Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
2. Internship should be carried out as 8 hours per day @ 48 hours per week.
3. Students will be supervised by nursing teachers during internship.
4. Fourth year final examination will be held only after completing internship.

V. Sujatha

Principal
Sri Venkateswara College of Nursing
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.

NURSING FOUNDATIONS-PRACTICAL

Placement : First Year

Time : Practical - 650 hours
(200 lab and 450 clinical)

Course Description: This course is designed to help the students to develop an understanding of the philosophy objectives, theories and process of nursing in various Clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in Clinical settings.

Areas:

Demonstration Lab General Medical and Surgery Ward,.

Time (Hours):

200, 450 minimum practice time in clinical area.

Objectives:

- Performs admission and discharge procedure.
 - Prepares nursing care plan as per the nursing process format.
 - Communicate effectively with patient, families and team members and
 - Maintain effective human relations
 - Develops 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
 - Perform procedures for care of wounds.
-

- Administer drugs
- Provide care of dying and dead
- Counsel and support relatives.

Skills:

1. Hospital admission and discharge (III):

- Admission.
- Prepare unit for new patient.
- Prepare admission bed
- Performs admission procedure
 - a. New patient
 - b. Transfer in
- Prepare patients records.

2. Discharge/Transfer Out:

- Gives discharge counseling
- Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers)
- Prepare records of discharge/transfer
- Dismantle, and disinfect unit and equipment after discharge/transfer.

3. Perform Assessment:

- History taking, nursing diagnosis, problem list, prioritization, goals and expected outcomes, selection of interventions.
- Write nursing care plan.
- Gives care as per the plan.

4. Communication :

- Use verbal and non verbal communication techniques.

5. Prepare a Plan for Patient Teaching Session:

V. Sujatha

Principal
Sri Venkateswara College of Nursing
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.



6. Write Patient Report:

- Change-of shift reports, transfer reports, incident reports etc.
- Presents patient report.

7. Vital Signs:

- Measure, records and interpret all creations in body temperature, pulse respiration and blood pressure.

8. Health Assessment:

- Health history taking
- Perform assessment:
 - a. General
 - b. Body systems
- Use various methods of physical examination
- Inspection, palpation, percussion, auscultation, olfaction.
- Identification of system wise deviations.

9. Prepare Patient's Unit:

- Prepare beds
 - a. Open, closed, occupied, operation, amputation,
 - b. Cardiac, fracture, burn, divided, fowlers bed
- Pain assessment and provision for comfort.

10. Use Comfort Devices Hygienic Care:

- Oral hygiene
- Baths and care of pressure points
- Hair wash, pediculosis treatment.

11. Feeding:

- Oral, enteral, naso/orogastric, gastrostomy and parenteral feeding.
 - Naso-gastric insertion, suction, and irrigation.
-

12. Assisting Patient in Urinary Elimination:

- Provides urinal/bed pan
- Condom drainage
- Perineal care
- Catheterization
- Care of urinary drainage

13. Bladder Irrigation Assisting Bowel Elimination:

- Insertion of flatus tube
- Enemas
- Insertion of suppository

14. Bowel Wash Body Alignment and Mobility:

- a. Range of motion exercises
- b. Positioning: Recumbent, lateral (rt / lt), fowler's, sims, Lithotomy, Prone, Trendelenburg position.
- c. Assist patient in moving, lifting, transferring, walking
- d. Restraints.

15. Oxygen Administration.

16. Suctioning: Oropharyngeal, Nasopharyngeal

17. Chest Physiotherapy and Postural Drainage

18. CPR-Basic Life Support.

19. Intravenous Therapy.

20. Blood and Blood Component Therapy.

V. Sujatha
Principal

Sri Venkateswara College of Nursing
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.

29. Pre and Post Operative Care:

- Skin preparations for surgery: local
- Preparation of post operative unit
- Pre and post operative teaching and counseling
- Pre and post operative monitoring.
- Care of the wound.
- Dressings, suture care, care of drainage, application of bandages, blinders, splints and slings.
- Bandaging of various body parts.

30. Administration of Medications:

- Administer Medications in different forms and routes: oral, sublingual, buccal, parenteral, intradermal, subcutaneous, intramuscular etc.
- Assist with Intra venous medications
- Drug measurements and dose calculations.
- Preparation of lotion and solutions.
- Administers topical applications.
- Insertion of drug into body cavity: Suppository & medicated packing etc.
- Instillation of medicines and spray into ear, eye, nose and throat
- Irrigations: eye, ear, bladder, vagina and rectum.
- Inhalations: dry and moist.

31. Care of Dying Patient:

- Caring and packing of dead body.
- Counseling and supporting grieving relatives..
- Terminal care of the unit.

V. Sujatha
Principal

Sri Venkateswara College of Nursing
R.V.B. Nagar, Tirupathi Road,
Chittoor - 517 127.

MEDICAL SURGICAL NURSING (Adult Including Geriatrics) – 1 Practical

Placement: Second Year

Time: 720 Hours
(23Weeks)

Areas:

- General Medical ward (Respiratory, GI, Endocrine, Renal, Hematology)
- General Surgical ward (GI, Urinary, CTVS)
- Cardiology ward
- Skin & Communicable diseases ward
- Orthopaedic ward
- Operation Theatre

Objectives:

- Provide nursing care to adult patients with medical disorders, cardiac disorders, musculoskeletal disorders, skin disorders & communicable diseases
 - Counsel and educate patients and families
 - Provide pre and post operative nursing care to adult patients with surgical disorders
 - Identify skin problems
 - Identify instruments used in common operations
 - Participate in infection control practices in the Operation Theatre
 - Set-up the table/trolleys for common operative procedures
 - Assist in giving anesthesia
 - Assist in the operative procedures
 - Provide peri operative nursing care
-

Skills:

UNIT – 1

Weeks: 6

General Medical Ward:


- Assessment of the patient: taking history, perform general and specific physical examination, identify alternations and deviations
- Practice medical surgical asepsis – standard safety measures
- **Administer medications:** Oral, IV, IM, Subcutaneous
- IV therapy: IV canulation, maintenance and monitoring
- Oxygen therapy by different methods
- Nebulization
- Chest physio therapy
- Naso gastric feeding
- Assist in common diagnostic tests
- Perform/Assist in therapeutic procedures
- Blood and component therapy
- Throat suctioning
- Collect specimens for common investigations
- Maintain elimination: Catheterisation, Bowel wash, Enema, Urinary drainage
- Maintain intake, output and documentation
- Counsel and teach in relation to specific disease conditions

UNIT – 2

Weeks: 6

General Surgical Ward:

- Practice medical surgical asepsis – standard safety measures
- Pre operative preparation of patients
- Post operative care – receiving pt, assessment, monitoring, care
- **Care of wounds and drainage**
- Suture removal
- Ambulation and exercise
- Naso gastric aspiration


Principal
Sri Venkateswara College of Nursing
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.

- Care of chest drainage
- Ostomy care: Gastrostomy, Colostomy, Enterostomy
- Blood and component therapy
- Practice universal precautions

UNIT – 3

Weeks: 02

Cardiology Ward:

- Physical examination of the cardio vascular system, recording and interpreting ECG
- Monitoring of patients
- Preparation and assisting in non-invasive and invasive diagnostic procedures
- Administer cardiac drugs
- Cardio pulmonary resuscitation
- Teach patients and families
- Practice medical surgical asepsis-standard safety measures

UNIT – 4

Weeks: 01

Skin & Communicable Diseases Ward:

- Assessment of patients with skin disorders
- Assist in diagnostic and therapeutic procedures
- Administer topical medication
- Practice medical surgical asepsis – standard safety measures
- Use of personal protective equipment (PPE)
- Give medicated baths
- Counseling HIV positive patients
- Teach prevention of infectious diseases

UNIT – 5

Weeks: 02

Orthopaedic Ward:

- Assessment of orthopaedic patients
 - Assist in application of plaster cast and removal of cast
-

- Apply skin traction buck's extension traction
- Assist in application and removal of prosthesis
- Physiotherapy-range of motion exercises (ROM), muscle strengthening exercises
- Crutch maneuvering technique
- Activities of daily living
- Ambulation
- Teach and counsel patients and families

UNIT – 6

Weeks: 06

Operation Theatre:

- Scrubbing, gowning, gloving
- Identify instruments, suturing materials for common operations
- Disinfection, carbolization, fumigation
- Preparation of instrument sets for common operations
- Sterilization of sharps and other instruments
- Prepare the OT table depending upon the operation
- Positioning and monitoring of patients
- Endotracheal intubation
- Assisting in minor and major operations
- Handling specimens
- Disposal of waste as per the guidelines

Assignments:

- Plan and give care to 2-3, 3-4 assigned patients
- Nursing care plan-1,2
- Nursing case study/presentation/health talk/counseling HIV positive patients and families – 1
- Drug presentation – 1
- Maintain drug book
- Maintain practical record book

V. Sujatha
Principal

Sri Venkateswara College of Nursing
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.



MEDICAL SURGICAL NURSING (Adult Including Geriatrics) – II Practical

Placement: Third Year

Time: Lecture/Lecture demonstration – 120 hours

Practical – 270 hours

Internship – 430 hours

Areas: ENT, Ophthalmology, Neurology, Gynecology ward, Burns unit, Oncology unit, Critical care unit, Casualty/Emergency

Objectives:

- Provide care to patients with ENT, Eye, Neurological, gynecology, Burns, Cancer, disorders
- Counsel and educate patient and families for grief and bereavement
- Provide care to critically ill patients
- Provide care to patients in emergency and disaster situation

Skills to be developed:

UNIT – 1

Weeks: 01

ENT:

- Perform examination of ear, nose and throat
- Assist with diagnostic, therapeutic, irrigations procedures
- Instillation of drops
- Apply ear bandage
- Perform tracheostomy care
- Teach patients and families

UNIT – 2

Weeks: 01

Ophthalmology:

- Perform examination of eye
 - Assist with diagnostic, therapeutic, irrigations procedures
-

- Apply eye bandage
- Apply eye drops/ointments
- Assist with foreign body removal
- Teach patients and families

UNIT – 3

Weeks: 01

Neurology:

- Perform neurological examination
- Use Glasgow coma scale
- Assist with diagnostic, therapeutic procedures
- Teach patients and families
- Participate in rehabilitation program

UNIT – 4

Weeks: 01

Gynecology Ward:

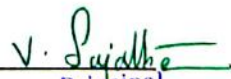
- Assist with gynecological examination
- Assist with diagnostic, therapeutic procedures
- Teach patients and families
- Teaching self Breast Examination
- Assist with PAP smear collection

UNIT – 5

Weeks: 01

Burns Unit:

- Assessment of the burns patient: Percentage of burns, degree of burns
- Fluid & electrolyte replacement therapy: assess, calculate, replace, record intake/output
- **Care of burn wounds:** bathing, dressing
- Perform active & passive exercise
- Practice medical & surgical asepsis
- Counsel & teach patients and families
- Participate in rehabilitation program


Principal
Sri Venkateswara College of Nursing
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.

UNIT – 6

Weeks: 01

Oncology Unit:

- Screen for common cancers-TNM classification
- Assist with diagnostic procedures: biopsies, pap smear, bone-marrow aspiration
- Breast examination
- Assist with therapeutic procedures
- Participates in various modalities of treatment: chemotherapy, radiotherapy, pain management, stomal therapy, hormonal therapy, immune therapy, gene therapy, alternative therapy
- Participate in palliative care
- Counsel and teach patients families self breast examination – warning signs
- Participate in rehabilitation program

UNIT – 7

Weeks: 02

Critical Care Unit:

- Monitoring of patients in ICU
 - Maintain flow sheet
 - Care of patients on ventilators
 - Perform endotracheal suction
 - Demonstrate use of ventilators, cardiac monitors etc
 - Collect specimens and interpret ABG analysis
 - Assist with arterial puncture
 - Maintain CVP line
 - Pulse oximetry
 - CPR-ALS
 - Defibrillators
 - Pace makers
 - Bag-mask ventilation
 - Emergency tray/trolley-crash cart
 - Administration of drugs: infusion pump, epidural, intrathecal, intracardiac
-

- Total parenteral therapy
- Chest physiotherapy
- Perform active & passive exercises
- Counsel the patient and family in dealing with grieving and bereavement

UNIT – 8

Weeks: 01

Casualty/Emergency:


- Practice "triage"
- Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations
- Assist in documentations
- Assist in legal procedures in emergency unit
- Participate in managing crowd
- Counsel patient and families in grief and bereavement

Assignments:

- Provide care to 1, 1-2, 2-3 assigned patients
- Provide care to 2-3 assigned patients with neurological disorders
- Nursing care plan-1
- Case study/presentation/health teaching-1
- Observation reports of Burns unit, OPD, Cancer unit, Critical care unit, Emergency unit & Eye bank
- Maintain drug book

Assessment Methods:

- Assess each skill with checklist
- Assess performance with rating scale
- Evaluation of observation report of OPD/Eye bank
- Completion of activity record
- Evaluation of care plan, case study, observation report and health teaching


 V. Sujatha
 Principal
 Sri Venkateswara College of Nursing,
 R.V.S. Nagar, Tirupathi Road,
 Chittoor - 517 127.

MIDWIFERY AND OBSTETRICAL NURSING PRACTICAL

Placement : Fourth Year

Time : Practical – 180 hours (Third Year)

Internship : 240 Hours

Areas :

- Antenatal Clinic/OPD
- Labour room O.T
- Post natal ward
- Newborn nursery
- Family planning clinic

Objectives :

- Assessment of pregnant women
- Assess woman in labour
- Carry out per-vaginal examinations
- Conduct normal deliveries
- Perform episiotomy and suture it
- Resuscitate newborns
- Assist with Caesarean sections, MTP and other surgical procedures
- Provide nursing care to post natal mother and baby
- Counsel and teach mother family for parenthood
- Provide nursing care to newborn at risk
- Counsel for and provide family welfare services

Skills to be developed:

UNIT – 1

Weeks : 02

Antenatal Clinics/OPD:

- Antenatal history taking
 - Physical examination
-

- Recording of Weight & B.P
- Hb & Urine testing for sugar and albumin
- Antenatal examination – abdomen and breast
- Immunization
- Assessment of risk status
- Teaching antenatal mother
- Maintenance of Antenatal records

UNIT – 2

Weeks : 04

Labour Room O.T.:

- Assessment of woman in labour
- Pervaginal examinations and interpretation
- Monitoring and caring of woman in labour
- Maintenance of partograph
- Conduct normal delivery
- Newborn assessment and immediate care
- Resuscitation of newborns
- Assessment of risk status of newborn
- Episiotomy and suturing
- Maintenance of labour and birth records
- Arrange for and assist with Caesarean section and care for woman & baby during Caesarean
- Arrange for and assist with MTP and other surgical procedures

UNIT – 3

Weeks : 04

Postnatal Ward:

- Examination and assessment of mother and baby
- Identification of deviations
- Care of postnatal mother and baby
- Perineal care

V. Sujatha
Principal

Sri Venkateswara College of Nursing,
R.V.S. Nagar, Tirupathi Road,
Chittoor - 517 127.

