

**MINIMUM REQUIREMENTS
FOR
THE RECOGNITION
OF
THE BACHELOR OF SCIENCE
IN
NURSING (B.Sc.N.) PROGRAMME**



Nepal Nursing Council

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Revised in BS 2075 (2019 AD)

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Nepal Nursing Council (NNC)

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Preface

Nepal Nursing Council (NNC) is a regulating body for maintaining the standards and quality of nursing education. The parliamentary enactment of Nepal Nursing Council Act is an important milestone towards development of nursing profession. NNC Act paves the path to regulate nursing profession. For regulation of the standards in nursing education a minimum requirement guideline is required. The minimum requirements of Bachelor of Science in Nursing (B.Sc.N.) Programme was revised and updated fifth time in 2075 (2019) by NNC and enacted in accordance to the power conferred by the clause (b), (c) and (d) of sub-section (1) of section 9 of the Nepal Nursing Council Act, 2052 (1996).

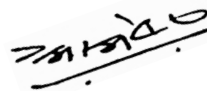
The minimum requirement for B.Sc. Nursing Programme was revised per the felt need as a result of challenges faced by the nursing institutions in the implementation of the B.Sc. Nursing curriculum. The revised minimum requirements address the requirement of physical infrastructure, simulation and skills labs, human resources and clinical (hospital and community) resources along with the requirement for student enrollment.

The revised minimum requirements have undergone considerable changes through meetings. Therefore, we hope this minimum requirement will facilitate the institutions with B.Sc. nursing programme for effective teaching learning activities in order to ensure the fulfillment of programme requirements.

We would like to thank the team working for the revision of this requirement that have conscientiously devoted the time in improvement of this requirement. We appreciate their sense of enthusiasm in the finalization of this document. Their use of professional expertise in reviewing this document is highly praiseworthy.



Associate Prof. Binda Ghimire
Registrar, NNC



Prof. Goma Devi Niraula
President, NNC

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Minimum Requirements for the Recognition of The Bachelor of Science in Nursing Programme

Revised in BS 2075 (2019 AD)

The Nepal Nursing Council, has approved these requirements by exercising the power conferred to it by Clause (b), (c) and (d) of Sub-section (1) of Section 9 of the Nepal Nursing Council Act (NNC), BS 2052 (1996 AD) with second amendment. These requirements, called the “**Minimum Requirements for the Recognition of the Bachelor of Science in Nursing Programme**” shall come into effective from 2075 (2019).

By exercising the Clause (b) of Sub-section (1) of Section 9 of the NNC Act, it will be used to study the feasibility of starting Bachelor of Science in Nursing (B Sc Nursing) Programme, and thereby for the purpose of recommendation/approval. By exercising the Clause (c) and (d) of Sub-section (1) of Section 9 of the same Act, it will also be used for the purpose of monitoring, evaluating and reviewing the approved B Sc Nursing Programme so as to allow or disapprove the programme.

In order to qualify for approval and ultimately to get accreditation from the NNC, the concerned educational institution will have to ensure that it fulfills the requirements for quality education by providing the evidence of having strong organization and governance, optimal organizational structure, adequate educational materials, interactive teaching-learning process, ongoing evaluation system, and dynamic curriculum. Only those nursing institutions will be recommended to start the B Sc Nursing programme, which meet the requirements specified below.

1. GENERAL INFORMATION

- 1.1. Name of the institution:
- 1.2. Address:
- 1.3. Date of establishment:
- 1.4. Nursing programme being offered:

1. GOVERNANCE AND ADMINISTRATION

- 2.1 There should be a policy making body i.e. Faculty Board or Board of Directors or Trust, which guides the planning, directing, organizing, and controlling functions of the institution.

- State the policy making body
- Provide the list of members

Note: The head/director of nursing programme or institution should be the member of the policy making body.

- 2.2 The organogram of the institution should give a clear picture of how authority and other functional relationships have been structured.

- Display organogram

- 2.3 The institution should have a clear vision about its mission, aim and objective, and the philosophy that guides its educational activities.

- Institution's philosophy
- Vision
- Mission
- Aim and objectives

- 2.4 Head/Director of Nursing Programme

The strength, qualification and experience of head/director of nursing education programme and terms and condition of their service shall be according to NNC requirements.

The head/director of the B. Sc Nursing programme responsible for all academic and administrative activities of the programme, should meet the criteria as follows:

- Dean/Principal/HOD/Programme Coordinator should possess the faculty position of Professor / Associate Professor
- Educational qualification: Master of Nursing with at least 2 years clinical and five years of teaching experience.
- At least 1 year of teaching experience after master degree qualification in nursing.
- Registered with NNC and have validity date
- Has a written job description.
- Should be Nepali citizen.

2.5 To carry out day-to-day administrative activities, there should be:

- General Administration Section headed by Administrative Chief holding bachelor degree.
- Store headed by Store keeper with intermediate degree.
- Finance Section headed by an Account Officer with at least BBA degree.

3. FINANCIAL SYSTEM

3.1 Institution should assure the viability of the B. Sc Nursing educational programme supplying information as follows:

- Sources of income
- Annual budgeting
- Audit report

4. ACADEMIC COMMITTEES

4.1 To carry out the academic activities of B Sc Nursing programme smoothly, there should be following Committees:

- Examination Committee
- Clinical Coordination Committee
- Library Committee
- Student Welfare Committee

5. FACULTY STUDENT RATIO AND TEACHING LOAD

5.1 **Nursing Faculty Student Ratio:** Nursing faculty should be adequate to teach the designated course curriculum. All of them should be full time faculty.

- The overall nursing faculty and student ratio should be 1:8
- The faculty and student ratio in classroom teaching may be 1:40
- The faculty and student ratio for demonstration should be 1:10
- The faculty and student ratio in clinical should be 1:8
- The faculty and student ratio in community field should be 1:10

5.2 Teaching Load

- Head/Director of nursing programme should teach about 30 hours per academic year.
- Nursing faculty shall teach about 10 hours per week during study block.
- Nursing faculty should have about 30 hours of clinical supervision per week.

6. FACULTIES' QUALIFICATION

6.1 **Nursing Faculty Competency:** all full time faculties should be Nepali citizen. The nursing faculty should meet the following criteria:

- Holds Master of Nursing/ M Sc Nursing qualification with minimum 2 years of clinical experience
- Registered in Nepal Nursing Council.

6.2 **Non-nursing Faculty:** The non-nursing faculty should have Master degree qualification in related subject.

7. FACULTY POSITION, CADRE RATIO AND DEVELOPMENT

7.1 Faculty positions should be as follows.

- Professor
- Associate professor
- Lecturer

Faculty cadre ratio should be 1 professor for 2 associate professors and 4 lecturers (1:2:4).

7.2 Criteria for the faculty position should be according to the related university/academia.

7.3 There should be provision of Faculty development

8. STUDENT ENROLLMENT AND DEVELOPMENT

8.1 **Student Enrollment:** The following policy should follow in the enrollment of students in B. Sc. Nursing programme

- Intake is annual
- Maximum number of student intake size is 40
- Entry qualification is 10+2 Science (with physics, chemistry & biology) or equivalent pass with at least 45% mark in aggregate
- Selection basis as per university/academia policy

8.2 **Student Development:** Students should be encouraged to participate in various extracurricular activities

9. PHYSICAL INFRASTRUCTURE

9.1 **Land:** Five ropanies for academic, administrative and hostel block along with space for outdoor games

9.2 Academic Set-up

- Office for Chief of nursing programme: Adequately furnished with computer and printer, telephone, sofa, notice board, cupboard and a separate toilet facility
- Faculty room: Adequately furnished separate rooms for faculty (year wise) with separate table & chair and access to computer, printer & internet.
- Rooms for office staff: Separate rooms for:
 - General Administration Section.
 - Finance Section.
 - Academic and Examination Section.
 - Store room with space for storing supplies and equipments
- Four classrooms assigned for B Sc Nursing programme for student's classroom teaching (size: 0.6 sq m/student). The rooms are well ventilated and lighted and equipped with teaching learning devices:
 - Computer and LCD/ OHP
 - White-board and markers
- A meeting room for faculty/administrative staff meetings
- A large hall for campus functions

9.3 Computer room

- Computer with internet facility for students at a ratio of 1:10.
- Printing and photocopying facility
- E-learning facilities

9.4 Library: Spacious enough to meet the needs of the students of the institution (Seating capacity for at least 25% of the total students & 10% of the nursing faculty)

- The number of textbook is 50% of the student intake size & considerable books should be of latest edition
- Textbooks should be available in all subjects
- The reference books should be available in each subject at least 10%
- Each subject (specialty area) should have at least 5 titles of reference books
- Journals
 - Professional journals should be available including access to on-line journals.
 - National level documents on health, annual reports, research reports, national health plans and policies and other relevant publications should be available in the library.
- B Sc Nursing Curriculum should be available
- Minimum Requirements Guideline of NNC for B Sc Nursing programme should also be available.

(Note: Please supply the list of the books assigned for B Sc Nursing programme.)

9.5 Skill laboratories: The institution should have separate skill labs for:

- Fundamentals of nursing,
- Basic Science
 - Anatomy, physiology & pharmacology
 - Microbiology, pathology & biochemistry
- Midwifery and pediatric nursing and
- Community health nursing and nutrition

9.6 Hostel facility

- Accommodations capacity as per students demand
- Has separate kitchen and dining room
- Has toilet & bathroom at the ratio 1 for 10 students
- Has room for warden/house mother
- Has guard room
- Has visiting room
- Has outdoor and indoor game space & facilities

10. EQUIPMENTS AND SUPPLIES FOR SKILL LAB PRACTICE

<u>S. N.</u>	<u>Items</u>	<u>No. required</u>
10.1	For Fundamentals of Nursing Skill and Simulation Lab	
10.1.1	<i>Equipments</i>	
-	Hospital adult bed	2
-	Bedside locker	2
-	Mannequin (dummy): Adult male and female	1 each
-	CPR model	1
-	Trays of different sizes (small, medium, and large) for procedures	4 each
-	Bowl of different sizes (small, medium, and large) for procedures	4 each
-	Kidney trays of different sizes	6
-	Basins	6
-	Feeding cup	2
-	Sputum mug	2
-	Bed pan	2
-	Urinal	1

- Enema can set (one liter capacity) 1
- Measuring jugs of different capacities (250, 500 and 1000 ml) 1 each
- Catheter container with cover 1
- Dressing drum (small and large) 1 each
- Trolley with two shelves (upper and lower shelf) 1
- Nail cutter 3
- Comb 3

10.1.2 Instruments

- Cheatle forceps 2
- Sponge holding forceps 2
- Artery forceps: straight and curved 4 each
- Dissecting forceps: Toothed and Non-toothed 4 each
- Mosquito forceps 2
- Kocker's forceps 2
- Needle holding forceps: 6 inch, 7 inch & 8 inch size 2 each
- Scissors : Surgical, suture cutting and bandage cutting 2 each
- Tongue depressor 2
- Ear irrigating syringe 1
- Ear speculum 1
- Surgical blades of different sizes 1 set
- Airway tube: Different sizes of adult and pediatric size 1 each
- Endotracheal tube: Different sizes of adult and pediatric 1 each

10.1.3 Glass ware

- Measuring cups: 30 ml, 120 ml and 240 ml 1 each
- Ounce glass 1
- Digital and mercury thermometer 2 each

- Specimen collection bottles	6
10.1.4 Syringes and needles	
- Syringes: 2ml, 5 ml, 10 ml and 20 ml size	2 each
- Tuberculin syringe	2
- Insulin syringe with needle	2
- Needles of different sizes	2 each
- Suturing needles: Straight (cutting and round) and curved	4 each
- IV cannulas of different sizes	2 each
- Ear irrigation syringe	1
10.1.5 Suturing materials	
- Suture threads: Silk, cotton and nylon	1 pack each
- Catgut: absorbable and non-absorbable	1 pack each
10.1.6 Rubber goods	
- Mackintosh: Full bed length, for draw mackintosh & treatment/dressing mackintosh	2 each
- Hot water bag	2
- Ice cap	1
- Gloves of different sizes	2 dozen
- Catheters: Foley's, plain, nasal & rectal	2 each
- Gastric lavage tube	2
- Ryle's tube: Adult & pediatric	2 each
- Flatus tube	2
- Air ring	2
- Douche nozzles of different sizes	1 each
10.1.7 Linen	
- Mattress: Adult size	2
- Bed sheet: Top & bottom sheet	8
- Draw sheet	4
- Pillow	4
- Pillow cover	8
- Sand bag with cover	2

- Blankets 2
- Towels: bath, hand & surgical 2 each
- Sponge cloth 1 dozen
- Hot water bag cover 1
- Ice cap cover 1
- Gown, mask & cap for OT 2 each
- Perineal sheet, abdominal sheet, eye sheet 2 each
- Patient's cloth 2 set
- Dirty linen bag 1
- Screen curtains 2

10.1.8 *Miscellaneous items*

- Teeth model with brush 1
- Torch light 2
- Nail brush 2
- Adult weighing scale 1
- Back rest 1
- Foot drop 1
- Splints of different sizes 2 each
- Bandages of different sizes 2 each
- I/V stand 2
- Measuring tape 2
- Different color buckets with cover for waste disposal practice (red, lack, green, blue, yellow and purple) 1 each
- Blood pressure measuring instrument set 2
- Soap & soap dish 1
- Dust bin 1
- Hand washing facility 1
- Cardiac table 1
- Screen 2
- Bottle with solution: Dettol, methylated spirit, Tr. Iodine/ betadine, Vaseline & glycerin 1 each

- Liquid paraffin	1
- Potassium permanganate crystals-packet	1
- Sodium bicarbonate powder- packet	1
- Learning guide for students' practice	2
10.2 For Anatomy/Physiology/Pharmacology Lab	
10.2.1 Anatomy	
Bones of	
- Adult human skeleton	1
- Bones of different body parts	2 sets
Models of	
- Skin cross section	1
- Heart and large blood vessels	1
- Eye and ear model	1 each
- Brain with spinal cord	1
- Lung and trachea	1
- Digestive system	1
- Female and male reproductive system	1 each
- Urinary system	1
- Endocrine system	1
Charts of	
- Skeleton system	1
- Muscular system	1
- Joints and ligaments	1
- Nervous system	1
- Cardio-vascular system	1
- Respiratory system	1
- Digestive system	1
- Urinary system	1
- Skin, eye and ear	1 each
- Endocrine system	1

10.2.2 For Physiology

- Wintrobe tube and Westergreen tube, pipette and stand for ESR test 1 set
- Glass slides for blood smearing 1 pack
- Microscope for TC/DC 1
- Capillary tubes for clotting time determination 1 pack
- Sphygmomanometers and stethoscope 2 set
- Spirometer for measuring vital capacity 1
- BMR test apparatus 1
- Haemoglobinometer 1
- Rubber tourniquet 2
- Syringes and needles 2
- Spirit 1 bottle
- Cotton 1 roll

10.2.3 For Pharmacology

- Essential drugs 1 each
- Emergency drugs 1 each
- Drug cart 1 each
- Medicines in standing order 1 each
- IV drugs and fluids 1 each
- Provision of hand washing 1

10.3 Microbiology/Pathology/Biochemistry

10.3.1 For Microbiology

- Microscopes for students 1:10
- Incubator 1
- Hot air oven 1
- Refrigerator 1
- Autoclave 1
- Test tubes 1 dozen
- Glass slides and cover slips 1 packet

- Petridis	1 pack
- Pipettes	1 pack
- Culture media: Nutrient agar, nutrient broth, MacConkey agar, blood agar base	1 each
- Gas cylinder	1
10.3.1 For Microbiology	
- Gram stain reagents	1
- Ziehl Neelson stain reagents	1 each
- Lugol's iodine	1
- Inoculating loop	1
- Inoculating wire	1 each
10.3.2 For Pathology	
- Pathological specimens in formalin: Liver, spleen, brain, kidney, heart, lungs	1 each
- Slides for demonstration of inflammation, neoplasm	1 pack 1 each
- Haemotoxalin and eosin stains	
For Biochemistry	
- pH meter	1
- Weight balance	1
- Centrifuge	1
- Urinometer	1
- Colorimetre	1
- Benedict's solution for sugar test in urine	1 bottle
- Benedict's solution for sugar test in urine	1 bottle
- Acetic acid for albumin test in urine	1 bottle
- Reagents for sugar, urea and creatinine test in blood	1 each
- Provision for hand washing	
10.4 For Midwifery and Pediatric Nursing Skill and simulation Lab	
10.4.1 Models/ bones	
- Fetal development models of different periods of gestation	1 set
- Fetal skull	2

- Female bony pelvis	2
- Female dummy/ delivery model	2
- Fetal palpation model	1
- Weighing scale: Adult and newborn	1 each
- Zoe model for family planning	1
- Breast model	1
- Full size fetus with placenta	2
- Newborn baby	2
10.4.2 Instruments	
- Vaginal speculum: Sims' & Cusco's (duck)	1 each
- Cervical dilators of different sizes	1 each
- Anterior vaginal wall retractor	1
- Uterine vulsellum/tentaculum	1
- Sponge holding forceps	1
- Uterine sound	1
- Fetoscope	2
- Mucus sucker	2
- Newborn resuscitation set	1
- Delivery set	2
- Safe delivery kit	2
- Episiotomy and suturing set	2 each
- Vacuum extractor set	1
- MVA set	1
10.4.3 Others	
Learning guide for student's practice	2
10.5 For Community Health nursing and Nutrition Lab	
Community bag	4
Each bag consisting of:	
- Soap & soap case	1
- Digital thermometer	2
- Measuring tape	1
- BP instrument& stethoscope	1

- Fetuscope 1
- Hand towel 1
- Nail brush 1
- Bag of sterilized dressing 1
- Uri stick (for albumin & sugar test) 3
- Gauze packet & cotton swab packet 1 each
- Essential medicines for common & minor ailments e.g. antipyretics, analgesics, antiemetic etc. 1 each
- Torch light 1

Health education materials

- Flip charts/Flannel boards As needed
- Posters
- Pamphlets
- Model or poster of garbage pits
- Model or poster of different types of latrines

Others

- Breast model 1
- Food pyramid chart 1
- Balanced diet chart 1
- Posters As needed
- Fruits and vegetable models 1 each
- FP devices 1 each
- Flip charts of FP methods 1 each
- Joe model for different FP devices: Implant, IUCD, condom 1
- Arm and thigh model for immunization 1 each
- Vaccines 1 each
- Different IEC materials on nutrition, immunization and FP As needed
- Table, chairs As needed
- Trays As needed
- Dust bin 1

- White board for discussion 1
- Provision of hand washing 1
- Weighing scale: adult & children 1 each
- Tables to display materials As needed
- Charts on sources of different nutrients 1 each

11. FACILITIES FOR CLINICAL PRACTICE IN HOSPITAL

General Hospital for Students' Basic Clinical Practice

- The general hospital for students' clinical practice should be at least 100 bedded, with at least 60% occupancy of previous 3 month and day of visit
- If the requirement of specialized clinical practices cannot be met in one hospital, other hospitals can be used with agreement for psychiatric, maternity, pediatric, Eye, ENT, oncology, neurology, nephrology, cardiology, orthopedic and ICU/CCU services as required by the curriculum.
- The prescribed number of beds in teaching hospital should be distributed among the specialties as shown in Table 2 in line with the Ministry of Health and Population Guideline for Health Institution establishment, Operation and upgrade Standard, 2073.

Table 1: Number of beds in teaching hospital

Department	Required up to 40 students intake
Essential specialties	100 beds
Medicine	25
Surgery	25
Maternity and Gynecology	30
Pediatrics	10
At least any two specialized wards <i>(Total 10 beds 5 in each ward)</i>	
Orthopedic, Dentistry, Eye, ENT, Skin or Veneral, Psychiatric, Oncology, Nephrology, Neurology, Cardiology, ICU/CCU.	

Hospital for Midwifery practice

Hospital or wards should have sufficient deliveries (at least 600 deliveries annually) for student to practice.

Hospitals for other Specialty Practical Experience

- Hospital for pediatric clinical practice
- Hospital for psychiatric clinical practice
- Hospital for eye and ENT clinical practice

he hospitals should have the following facilities for students' practice

- Sufficient equipments, supplies and bed linen and other.
- Adequate number of qualified staff to provide 24 hours service according to government norms.
- Changing room for teacher and students
- Room for case presentation / pre and post conference and meetings
- Nursing staff should be as per the Ministry of Health and Population's Guideline for Health Institution Establishment, Operation and Upgrade Criteria, 2073 to provide 24 hour nursing service (Nurse patient ratio as per MoHP guideline for Morning 1:6, Evening 1:10, Night 1:12 for general service; 1 nurse for two beds in emergency/post-operative ward; 2 SBA/Midwives for one labor bed; ICU/NICU, CCU unit 1:1).
- The prescribed number of nursing personnel in teaching hospital should be deployed in line with the Ministry of Health and Population Guideline for Health Institution establishment, Operation and upgrade Standard, 2073
- Hospital Nursing Director /Chief Nursing Administrator should have Master in Nursing with a minimum of 4 years of clinical experience. She/he should be registered with NNC and have valid licensing, and be a Nepali citizen.

- Ward in-charge in all units should be at least Bachelor of Nursing graduates.

Note: *If the bed occupancy in the last three months and day of visit is less than requirement and teacher-student ratio inadequate, Nepal Nursing Council has the right to REDUCE the student enrollment number.*

- Each student use the NNC Practical Record book in the clinical practice

12. FACILITIES FOR CLINICAL PRACTICE IN COMMUNITY

12.1 Field and activities For Community practicum

- Primary Hospital (5-10 bedded or PHCC)
- Perform community diagnosis
- Fill up family folder
- Perform Community Health Action/Micro Health Project

The rural/urban community has adequate number of households (i.e. 10 houses per student)

- 12.2 Each student use the NNC Practical Record book in the field practice

13. MIDWIFERY CLINICAL/FIELD CASE REQUIREMENTS

<u>S.N.</u>	<u>Description</u>	<u>No. required</u>
13.1	Activities to be carried out in hospital	
i	Performing ANC assessment	30
ii	Plotting partograph	5
iii	Observation of:	
	• normal delivery	5
	• abnormal delivery (if possible)	2

iv	Conducting normal deliveries	15
v	Assisting abnormal delivery	2
vi	Performing per vaginal examination (under supervision)	5
vii	Observation of episiotomy/suturing	5
viii	Performing perineal repair (under supervision)	5
ix	Performing manual removal of placenta (in hospital or in skill lab)	2 10
	X. Perform newborn examination	10
	XI. Perform postnatal examination	
Xii.	Performing vacuum extraction (in skill lab)	3
Xiii	Performing newborn resuscitation (in hospital or skill lab)	2
ix	Care of mother with cesarean section	2

Activities to be carried out in field

13.2	Performing antenatal assessment	
i	conduct of delivery at health facility/home	5
ii	iii. Perform newborn examination	1
	ix. Perform postnatal examination	1

14. CURRICULUM GUIDELINE: The following guideline should be used while developing or reviewing B Sc Nursing Curriculum.

- 14.1 Philosophy and course objectives are well explained.
- 14.2 The duration of course is 4 years.
- 14.3 The course content of curriculum is approved by the university to which the educational institution belongs to or is affiliated with.
- 14.4 The student selection criteria are transparent

- 14.5 Each student should have a minimum of 90% of attendance in clinical practice and 75% in theoretical classes.
- 14.6 The students shall have a vacation not more than 6 weeks/ year including Dasain and Tihar holidays.
- 14.7 Have calendar of operation showing different schedule of theoretical, clinical practices, vacation and examination.
- 14.8 Have clinical rotation plan showing students' learning exposure at different clinical settings
- 14.9 The curriculum should have following courses
- Fundamentals of Nursing (theory and practical)
 - Community Health Nursing (theory and practical)
 - Integrated Health Sciences: Anatomy, Physiology, Pharmacology, Microbiology, Pathology & Biochemistry (theory & practical)
 - Behavioral Science
 - Pediatric Nursing (theory and practical)
 - Adult Nursing (theory and practical)
 - Nursing Concepts and Theories
 - Geriatric Nursing (theory and practical)
 - Midwifery and Gynecological Nursing (theory and practical)
 - Educational Science
 - Leadership and Management (theory and practical)
 - Health Economics
- 14.10 The total hours should be more than 6500 hours including theory and practical hours (At least 40% theory and 50% practical hours)

- 14.11 Consists of well planned evaluation system i.e.
- Internal evaluation methods written clearly
 - Final examination methods well spelled out
- 14.12 The requirements for completing the course is spelled put.
Practical examination should be conducted in actual
- 14.13 situation of hospital, or health institutions by nursing professionals
- 14.13 In practical examination the number of students should not be more than 20 in a day
- 14.14 Copy of final examination should be checked by the faculties of other than own universities or academia



