

Global Learning Semesters

Course Syllabus

Course: NUR-220 Provision of Nursing Care IV

Department: Life and Health Sciences

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
NUR-220	Provision of Nursing Care IV	5
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	NUR-210, NUR-215
Department	Level of Course	Language of Instruction
Life and Health Sciences	Lower Division	English

Course Description

The course focuses on the nursing care of patients of all ages undergoing planned or emergency surgery and requires acute and critical care nursing skills. The course aims to provide a foundation for students to understand the different approaches to anesthesia and surgery to enable them to gain knowledge and expertise in this specialist aspect of patient care. It teaches the student to develop competent assessment skills making nursing diagnoses, as well as implementation and evaluation of nursing care provided. The students are encouraged through practical and theoretical sessions to develop their abilities of caring for patients in all areas of critical and acute care. The student will spend three weeks in a surgical placement and carry out “a patient follow through” from the ward to the operating room and back to the ward. The course format is 5h/week lectures on theory, 2.2h/week conferencing with demonstrations discussions on applications of theory and 7.2h/week laboratory clinical experience which includes focus guides and instructions (2.5h/week) and student engagement in Professional Skill Activities (4.7h/week). Clinical Placement/Evaluation 4 weeks.

Prerequisites

NUR-210, NUR-215

Topic Areas

1. Principles of acute care
2. Pathophysiology of the most common disease s, required surgical interventions.
3. Wound healing process and wound care
4. Perioperative assessment and care planning, using a framework of care (integrated care pathways)
5. Legal and ethical aspects of informed consent.
6. The role of the nurse in acute and critical care settings.
7. Fluid and electrolyte balance, acid-base balance, homeostasis
8. Principles of asepsis/infection control, the sterile field.
9. Principles of General, Regional and Local Anaesthesia.
10. Principles of Surgery
11. Principles of analgesia including PCA-
12. Drugs and agent used for pain management
13. Preparation for surgery, preoperative fasting and its implications for the patient
14. care of patient in the OR

15. Post operative complications e.g., shock due to haemorrhage, infection, DVT, PE, anaesthetic complications e.g. aspiration of gastric contents, anaphylaxis and anaphylactic shock, cardiac arrest, other complications due to pre-existing systematic disease e.g. diabetes, cardiac disease, COPD etc.

Conferencing Topics

During conferencing there are student presentations or discussions of fundamental knowledge and skills the student must demonstrate with reference to specific examples of how knowledge is applied.

1. Patient perioperative assessment e.g. pre, intra and post operative
2. Preoperative fasting evidence based
3. Anaesthetic complications
4. Surgical complications
5. Health education/patient teaching
6. Physiological responses to surgical intervention
7. Physiological reactions to blood transfusion
8. Altered presentation of acute illness in older people
9. Tissue hypoxia
10. Pharmacology related to anaesthetic drugs and agents
11. Autonomy, competence and consent in adult care

Research Paper: Students can write a 2-3 page papers (6 in total) on a chosen Conference topic of the week or a 6-7 pagereferenced research paper (3 in total).

Group Assignment: Students may work in small groups to prepare one presentation paper on a selected specific disease topic using for their discussions at least three reference papers

Laboratory Exercise

1. Basic CPR
2. Airway management in anaesthetic practice
3. Drug calculations including IVIs
4. Clinical monitoring e.g. O₂ saturation, capnography, CVP measurements, arterial pressure, etc
5. Manual handling of patients
6. Control and restrain
7. Patient observations, recognize/act on change
8. Tubes and drains used in anaesthesia and surgery
9. Safety issues, surgery and medicine
10. Fire evacuation
11. Aseptic Technique, wound drains and suture material used in surgery

Health Assessment Presentation: Each week during the laboratory sessions the student has to give a physical health assessment presentation (20-30 min) for one of the systems as specified in the Guide Mosby's Pocket Guide Health Assessment with reference to equipment needed and using internet web site links and other information resource materials for reference. The presentation is evaluated for a) knowledge, scope and depth of content b) Information and demonstration techniques that can be used for the physical assessment c) creative teaching and learner participation d) professionalism of presentation.

Clinical Skills Schedule: The schedule is completed and competencies evaluated by the student and is shown to the personal tutor of the student once in the middle and at the end of the semester, so that progress on skill acquisition is monitored.

Readings and Resources

Recommended Textbooks

1. Alexander, M. F., Fawcett, J. N. and Runicman, J. (2000) Nursing Practice Hospital and Home: the Adult. 2nd ed Edinburgh: Churchill Livingstone.
2. Barkauska, V. H. (1997) Health and Physical Assessment. 2nd ed. St Louis: Mosby.
3. Beauchamp, T. and Childress, J. (1994) Principles of Biomedical Ethics, 4th ed. Oxford: Oxford University Press.
4. Bond, J. and Bond, S. (1993) Sociology and Health Care. 2nd ed. Edinburgh: Churchill Livingstone.
5. Gould, D. and Brooker, C. (2000) Applied Microbiology for Nurses. London: Edward Arnold
6. Harkness, G.A. and Dincher, J.R (1996) Medical- Surgical Nursing: Total Patient Care. 9th ed. St. Louis: Mosby-Year Book.
7. Hodge, D. (ed.) (1999) Day Surgery: a Nursing Approach. Edinburgh: Churchill
8. Marieb, E.N. (2002) Human Anatomy and Physiology. 6th ed. Redwood City, California: Benjamin/ Cummings.
9. Martini, F. H. (2000) Fundamentals of Anatomy and Physiology. 5th ed Marieb, E.N. (2002) Human Anatomy and Physiology. 6th ed. Redwood City, California: Benjamin/ Cummings.
10. Martini, F. H. (2000) Fundamentals of Anatomy and Physiology. 5th ed Scanlon, V. (1999) Essentials of Anatomy and Physiology. 3rd ed. Philadelphia: Williams and Wilkins.
11. Smith, T. (ed.) (1995) The Human Body - an Illustrated Guide to Its Structure, Function and Disorders. London: Dorling Kindersley

Additional Reading / References

1. Coben, Diane and Atere-Roberts, E. (1996) Carefree Calculations for Health Care Students. Basingstoke: Macmillan
2. Kingston, H.M. (1997) ABC of Clinical Genetics. 2nd ed. London: BMJ
3. Tortora, G. and Grabowski, S. (1999) Principles of Anatomy and Physiology, 9th ed New York: Harper Collins.
4. Van Wynsberghe, D., Noback, C.R. and Carola, R. (1994) Human Anatomy and Physiology. 3rd ed. New York: McGraw-Hill.
5. Truswell, S. A. (1999) ABC of Nutrition. 2nd ed. London: BMJ
6. Burns, N. and Grove, S. (1999) Understanding Nursing Research. 2nd ed. Philadelphia: W. B. Saunders.
7. Coates, V. E. (1998) Education for Patients and Clients. London: Routledge.
8. Cormack F. S (ed.) (2000) The Research Process in Nursing 4th ed. London: Blackwell Science.
9. Dealy, C. (1999) Care of Wounds. 2nd ed. Oxford: Blackwell Science.
10. Dougherty, L. and Lamb, J. (eds.) (1999) Intravenous Therapy in Nursing Practice. Edinburgh: Churchill Livingstone.
11. Egan, G. (1997) The Skilled Helper: A Systematic Approach to Effective Helping. 6th ed. Thompson Learning: Belmont, California.
12. Eastwood, M. (1997) Principles of Human Nutrition. London: Chapman and Hall.
13. Ewles, L. and Simnett, I. (1999) Promoting Health: a Practical Guide. London: Baillière Tindall.
14. Gash, S. (2000) Effective Literature Searching for Research. 2nd ed Aldershot: Gower.
15. Greenhalgh, T. (1997) How to Read a Paper. London: BMA.
16. Hawkins, P. and Shohet, R. (1989) Supervision in the Helping Professions. Milton Keynes: Oxford University Press
17. Lilley, L. L. Auker, R.A. and Albanese, J.A. (1998) Pharmacology and the Nursing Process. 2nd ed. St.Louis: Mosby.
18. Mason, J. and Smith, R. (1999) Law and Medical Ethics. 5th ed. London: Butterworths.
19. McKenna, H. (1997) Nursing Theories and Models. London: Rout ledge.
20. Muir Gray, J. A. (1997) Evidence Based Healthcare: How to Make Health Policy and Management Decisions. Edinburgh: Churchill Livingstone.
21. Naidoo, J. and Wills, J. (1998) Practising Health Promotion. London: Baillière Tindall.
22. National Back Pain Association. (1997) The Guide to the Safer Handling of Patients: Introducing a Safer Handling Policy. 4th ed. Teddington: National Back Pain Association.
23. Nicol, M. et al (2004) Essential Nursing Skills. London: Mosby.
24. Pearson, A. Vaughan, B. and Fitzgerald, M. (1996) Nursing Models for Practice. 2nd ed. Oxford: Butterworth-Heinemann.
25. Perkins, E.R., Simnett, I. and Wright, L. (eds.) (1999) Evidence-Based Health Promotion. Chichester: John Wiley.
26. Roper, N., Logan, W. and Tierney, A. J. (2002) The Elements of Nursing: a Model for Nursing Based on a Model of Living. 6h ed. Edinburgh: Churchill Livingstone.
27. Russell, G. (1999) Essential Psychology for Nurses and other Health Professionals. London: Rout ledge.

28. Smeltzer, S.C. and Bare, B.G. (2000) Brunner and Suddarth's Textbook of Medical-Surgical Nursing. 9th ed. Philadelphia: Lippincott.
29. Thompson, I., Melia, K. and Boyd, K. (2000) Nursing Ethics. 4th ed. Edinburgh: Churchill Livingstone
30. Trounce, J.R. (1999) Clinical Pharmacology for Nurses. 16th ed. Edinburgh: Churchill Livingstone.
31. Watson, J. and Walsh, M. (1997) Watson's Medical-Surgical Nursing and Related Physiology. 5th ed. London: Balliere Tindall.
32. Wright, J. (ed.) (1998) Health Needs Assessment in Practice. London: BMJ Books