



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Specialty Nursing

2627-2-I0101D011-I0101D038M

Aims

Provide students with the knowledge to plan nursing interventions based on the main nursing diagnoses in people with chronic diseases through the following phases: initial and ongoing assessment, identification of the nursing diagnosis and outcomes, specifying their priorities. Indicate the interventions selected to achieve these outcomes in relation to the person's level of autonomy/dependence.

Justify, from a theoretical perspective, the scientific rationale for nursing interventions.

Describe nursing care during selected therapeutic/diagnostic procedures in relation to the knowledge provided.

Specifically:

1. Knowledge and understanding:

Acquire theoretical knowledge regarding the planning of nursing care for chronic diseases through the use of the nursing process and the main nursing diagnoses.

Understand the fundamental aspects of nursing care during therapeutic and diagnostic procedures, in relation to the scientific principles provided.

2. Applying knowledge and understanding:

Apply the nursing care process in chronic care settings by integrating the phases of initial and ongoing assessment, identification of nursing diagnoses, definition of outcomes, and planning of interventions.

Establish priorities for nursing care taking into account the level of autonomy or dependence of the person receiving care. Describe and apply nursing interventions in diagnostic and therapeutic contexts according to scientific and operational guidelines.

3. Making judgements:

Justify the nursing care decisions adopted through the critical use of scientific evidence and the theoretical foundations of nursing care.

4. Communication skills:

Communicate the nursing care plan clearly and consistently, illustrating diagnoses, goals, and interventions

both within the multiprofessional team and to the person receiving care and their caregivers.

5. Learning skills:

Develop lifelong learning skills to update and deepen competencies related to nursing care planning and the management of care in chronic and complex situations.

Contents

Present the nursing process through its phases of initial and ongoing assessment, identification of nursing diagnoses, expected outcomes, and nursing interventions for people with the major oncological, cardiovascular, respiratory, infectious, and neurological diseases.

Present the fundamentals of pathophysiology and the treatment of the major oncological, cardiovascular, respiratory, infectious, and neurological diseases.

Detailed program

Self-Care Theory in People with Chronic Diseases

Nursing Care for the Person with Oncological Disease:

- Main nursing problems encountered in patients with oncological diseases
- Prevention and management of extravasation
- Pain management and palliative care
- Nursing care during bone biopsy and bone marrow aspiration

Nursing Care for the Person with Cardiac Disease:

- Nursing care for the person with acute coronary syndromes
- Nursing care for the person with heart failure
- Nursing care for the person undergoing coronary angiography and primary percutaneous coronary intervention (PCI)
- Central venous pressure (CVP) monitoring

Nursing Care for the Person with Infectious Diseases:

- Nursing care for the person with HIV and AIDS
- Nursing care for the person with tuberculosis
- Nursing care for the person with multidrug-resistant organism (MDRO) infections
- Nursing care for the person with SARS-CoV-2 infection (COVID-19)
- Overview of isolation precautions (airborne, contact, and droplet)

Nursing Care for the Person with Neurological Disease:

- Nursing care for the person with ischemic and hemorrhagic stroke
- Nursing care for the person with Parkinson's disease and motor neuron diseases
- Nursing care for the person with epilepsy
- Nursing care during lumbar puncture

Overview of Nursing Care for the Person with Acute and Chronic Kidney Disease:

- Nursing care for the person undergoing hemodialysis and peritoneal dialysis

Management of Central Venous Access Devices (CVADs)

Parenteral Nutrition

Prerequisites

Defined by the academic regulations.

Teaching form

10 two-hour face-to-face lessons designed to engage students through interactive and critical learning activities (e.g., simulated case scenarios, group work, educational videos, demonstrations, and storytelling).

Textbook and teaching resource

- Hinkle J.L., Cheever K.H. (2024) Brunner – Suddarth, Infermieristica Medico-Chirurgica, VI ed. Milano: Casa Editrice Ambrosiana, Vol. 1 e 2.
- Herdman TH, Kamitsuru S. (2024) Nanda International, Diagnosi infermieristiche Definizioni e Classificazione 2024/2026. XIII ed. Milano: Casa Editrice Ambrosiana.
- Ausili D., Baccin G., Bezze S., Di Mauro S., Sironi C. (2018) L'impiego dell'ICNP® con il Modello assistenziale dei processi umani: un quadro teorico per l'assistenza infermieristica di fronte alla sfida della complessità.

Self-Care Theory in People with Chronic Diseases:

- Riegel, B., Jaarsma, T., Lee, C.S. & Stromberg, A., 2019. Integrating symptoms into the middle-range theory of self-care of chronic illness. *Advances in Nursing Science*, 42(3), pp. 206-215.

Nursing Care for the Person with Oncological Disease:

- Fallon, M., Giusti, R., Aielli, F., et al. (2018) Management of cancer pain in adult patients: ESMO Clinical Practice Guidelines. *Annals of Oncology*, 29(Suppl 4), pp. iv166–iv191.

Nursing Care for the Person with Cardiac Disease:

- Byrne, R. A., Rossello, X., Coughlan, J. J., et al. (2023) 2023 ESC Guidelines for the management of acute coronary syndromes. *European Heart Journal*, 44(38), pp. 3720–3826.
- McDonagh, T. A., Metra, M., Adamo, M., et al. (2021) 2021 ESC Guidelines for the diagnosis and treatment

of acute and chronic heart failure. *European Heart Journal*, 42(48), pp. 3599–3726.

- Visseren, F.L.J., Mach, F., Smulders, Y.M., et al. (2021) 2021 ESC Guidelines on cardiovascular disease prevention in clinical practice. *European Heart Journal*, 42(34), pp. 3227–3337.

Nursing Care for the Person with Infectious Diseases:

- Ambrosioni, J., Levi, L.I., Alagaratnam, J., et al. (2026) Major revision version 13.0 of the European AIDS Clinical Society guidelines 2025, *HIV Medicine*, 27(1), pp. 18–32.
- Siegel, J.D., Rhinehart, E., Jackson, M. and Chiarello, L. (2007) Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings. Last updated September 2024. Atlanta, GA: Centers for Disease Control and Prevention (CDC).

Nursing Care for the Person with Neurological Disease:

- Bushnell, C., Kernan, W. N., Sharrief, A. Z., et al. (2024) 2024 Guideline for the Primary Prevention of Stroke: A Guideline From the American Heart Association/American Stroke Association. *Stroke*, 55(12).
- ISO-SPREAD (2016) Ictus cerebrale: linee guida italiane di prevenzione e trattamento. VIII edizione. Milano: Italian Stroke Organization.

Management of Central Venous Access Devices (CVADs):

- Nickel, B., Gorski, L., Kleidon, T., et al. (2024) Infusion Therapy Standards of Practice, 9th Edition. *Journal of Infusion Nursing*, 47(1S Suppl 1), pp. S1–S285.
- Pittiruti, M. and Scoppettuolo, G. (2024) Raccomandazioni GAVeCeLT 2024 per l'indicazione, l'impianto e la gestione dei dispositivi per accesso venoso.

Parenteral Nutrition:

- Thibault, R., Abbasoglu, O., Ioannou, E., Meija, L., Ottens-Oussoren, K., Pichard, C., Rothenberg, E., Rubin, D., Siljamäki-Ojansuu, U., Vaillant, M. F. and Bischoff, S. C. (2021) ESPEN guideline on hospital nutrition. *Clinical Nutrition*, 40(12), pp. 5684–5709.

Course materials provided by the lecturer.

Semester

2nd Year, 2nd Semester.

Assessment method

See the course homepage.

Office hours

Faculty members are available by appointment, which can be requested via email.
Course Coordinator: sara.ravasi@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY
