UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Medical Oncology

**2425-2-I0101D011-I0101D033M**

## Aims

IIdentify the main diagnoses in diseases and organic disorders Identify outcomes in relation to their rewards.
Identify nursing interventions in relation to autonomy/independence level of patient. Identify the theoretical framework that guide the choice of nursing interventions.
Describe nursing care actions during some diagnostic and therapeutic procedures, according to the acquired skills.

## Contents

To introduce nursing process through the follow four-stage nursing process: Outcome phase, Implementing phase, in people who is affected by oncology, cardiology, respiratarory, neurology end infective pathology.
To introduce the bases of physiopathology and treatment of the main oncology, cardiology, respiratory, neurology end infective pathology

## Detailed program

ONCOLOGY –Epidemiology of cancers, definition and features. Etiology of cancer: chemical, physical and biological factors. Prevention and early diagnosis: screening programs. The malignant diagnosis: biochemical tumor markers; diagnostic imaging; the biopsy. Staging (TNM-staging systems). Symptoms of cancer (direct and indirect). Cancer treatment (1): cancer staging depending on their potential care or treatment. Surgery. Radiotherapy. Hormone therapy. Immunotherapy Target Therapy.Autologous and allogeneic bone marrow transplantation. The new drugs. Cancer treatment (2): chemotherapy - the main antineoplastic drugs, mechanism of action, therapeutic effects. Adjuvant chemotherapy, antineoplastic combined chemotherapy protocols, palliative treatment. Administration and dosage of antineoplastic drugs; toxicity; evaluation criteria for therapy: from controlled clinical trials to bedside. Type of cancer: breast cancer; gastrointestinal cancer; lung cancer.

Hematologic neoplasm: Leukemia, Lymphom and Multiple Myeloma. Palliative care. Pain therapy. The relationship with patients and caregivers. Communication of diagnosis, information and informed consent, education.

## Prerequisites

Positive evaluation in these previous exams: Fundamentals of Nursing and Midwifery Sciences; Nursing Clinical Methodology; Nursing Clinical Methodology 1; Biomedical Sciences 1; Human Phisiology.

## Teaching form

Didactic delivery with discussion-based lectures. Narration. Bibliographic research.

## Textbook and teaching resource

- Hinkle J.L., Cheever K.H. (2017) Infermieristica medico-chirurgica, IV ed. Milano: Casa Editrice Ambrosiana, Vol. 1 e 2;

- 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.

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- Herdman TH, Kamitsuru S. (2015) Nanda International, Diagnosi infermieristiche Definizioni e Classificazione 2015/2017. Milano: CEA; In-depth bibliography

## Semester

2nd Year, 2nd Semester

## Assessment method

There are no ongoing tests.

The final exam consists of a written part and an oral part.
The written part consists of closed-answer tests (multiple choice choice) for the extensive control of the preparation on the exam program.
The oral part provides an interview for the verification of critical thinking in relation to the nursing care process.

In the event of pandemic situations, Rector's Decree will be applied with specific and contextual indications

## Office hours

On appointment

## Sustainable Development Goals

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