

Graduate study program in Nursing (Master program)

List of courses that can be delivered in English, including learning outcomes and course coordinators qualified to teach them in English

Master's Thesis Draft/Proposal (course coordinator: Rosana Ribić)

- Apply concepts of searching bibliographic databases and create a short working bibliography, as well as evaluate relevant sources for answering research questions.
- Critically read scientific papers and comment on possible sources of imperfection, bias and distortion in research, and the impact of these on result interpretation.
- Differentiate and compare types and structures of studies in research design with regard to scientific contribution.
- List and explain the steps in planning and conducting research; define the scientific problem, research questions and hypotheses, describe the sample, inclusion and exclusion criteria, procedures (materials and measurement methods), and ethical concerns related to participants during data collection.
- Describe and explain the structure of a scientific paper and the process of scientific publishing.
- Independently develop and present a draft research proposal.

Applied Phytotherapy (course coordinator: Rosana Ribić)

- Explain the therapeutic effects of major phytotherapeutic groups.
- List indications and contraindications for the use of herbal preparations and advise patients on the correct use of herbal medicines.
- Differentiate herbal medicines from dietary supplements regarding purpose and quality control.

Prevalence of Violence in the Health and Social Care System (course coordinator: Marijana Neuberg)

- Define and clarify forms and types of violence toward older adults.
- Discuss causes of violence and relate them to characteristics of older adults.
- List specific characteristics of healthcare workers and institutions that may be associated with violence.
- Define differences between neglect and abuse.
- Propose and anticipate institutional and community-based activities for violence prevention.

- Create educational methods for older adults, healthcare workers and organizations for the purpose of violence prevention.

Aesthetic Knowledge in Nursing (course coordinators: Marijana Neuberg, Irena Canjuga)

- Explain the meaning of the terms 'science' and 'art', the concept of epistemology and the epistemological model according to Carper and Cooper, the concept and classification of aesthetics, determinants of aesthetic knowledge in nursing, and determine aesthetic knowledge in one's own practice.
- Analyse aesthetic experience in the development of compassion and empathy; analyse selected works of art (Leonardo da Vinci, Edvard Munch, etc.), selected literary works, selected musical works (Mozart, Beethoven, etc.), and analyse creative works of nurses (e.g., Nightingale songs).
- Apply aesthetic knowledge in professional communication (nurse–patient, nurse–multidisciplinary team) and develop and propose an education plan for nurses in the context of aesthetic training.

Leadership and Organizational Skills in Nursing (course coordinator: Marijana Neuberg)

- Describe and explain management theories and processes, concepts of organizational culture and work-organization structures, as well as the specifics of strategic and operational management.
- Differentiate models of nursing care organization and determine staffing needs according to nursing care requirements.
- List principles of effective implementation of workplace changes and identify possible changes in work settings.
- Compare leadership styles and choose the appropriate style for a given work environment; develop systems for self-assessment and assessment of individual performance.
- Apply and demonstrate major processes and functions of human-resource management.
- List methods of effective time management and provide examples of efficient delegation in the workplace.
- Understand and apply emotional intelligence in the work environment and in preventing professional burnout.

Supervision in Nursing (course coordinators: Marijana Neuberg, Irena Canjuga)

- Define supervision in everyday nursing practice.
- Apply educational, supportive and leadership supervision.
- Use specific interventions in clinical supervision.
- Plan types of supervisory work in treatment/therapy/patient care, family work and teamwork.
- Evaluate outcomes of supervision in nursing.

Advanced Statistics in Biomedicine and Health (course coordinator: Tomislav Meštrović)

- Participate in decision-making and problem solving.
- Use information technologies.
- Select appropriate testing procedures depending on data type.
- Evaluate data using appropriate statistical tests.
- Assess data using statistical software packages (Statistica and MedCalc).
- Draw conclusions based on conducted tests.

Healthcare-Associated Infections (course coordinator: Tomislav Meštrović)

- Define specific concepts/terminology related to infection control and prevention.
- List common risk factors for infections and relate them to infections of specific anatomical areas/organ systems.
- Identify the most common types of healthcare-associated infections.
- Explain links in the Vogralik chain of infection and interventions that disrupt each link.
- Explain preventive procedures in terms of standard precautions.
- Explain the importance and practical application of hand hygiene according to National Guidelines.
- Recommend safe practices and disposal of sharps to protect patients and staff.
- Define barriers and personal protective equipment.
- Define concepts, principles and practical procedures for cleaning, disinfection and sterilization.

Sexual and Reproductive Health within Healthcare Practice (course coordinator: Tomislav Meštrović)

- Define sexual and reproductive health, its key components, social and cultural influences, and levels of sexual and reproductive rights in local and international contexts.

- Evaluate guidelines in the approach to sexually transmitted infections and sexual health within evidence-based medicine and nursing; analyse counselling centres and STI clinics.
- Assess different interventions aimed at improving sexual and reproductive health within a multilayered approach and analyse successful health-promotion actions.

Organization of Health and Social Care Institutions (course coordinators: Ivo Dumić-Čule, Oliver Vasilj)

- Explain economic and legal functioning of health and social care institutions, including specific cost and revenue responsibility centres.
- Recognize and analyse the internal organizational system of a healthcare institution.
- Explain, interpret and apply regulations governing healthcare activity.
- Manage human resources with emphasis on creating an efficient team.
- Explain the activity of social care and its principles.
- Recognize rights and social services within the social-care system and procedures for obtaining them.

The Art of Medical Teaching (course coordinator: Marijana Neuberg)

- Assess prior knowledge for organizing and planning the teaching process.
- Clearly and concretely define objectives of teaching activities.
- Plan division of objectives into general, intermediate and specific.
- Define learning outcomes.
- Master educational methods for conducting and evaluating the teaching process.

Applied Genetics and Genomics (course coordinator: Sonja Obranić)

- Acquire basic knowledge of the structure and function of DNA, the transmission of genetic information and gene expression.
- Acquire basic knowledge of gene mutations, their causes and possible consequences for organism function.
- Understand basics of modern molecular-diagnostic methodology and its application in detecting genetic disorders.
- Apply acquired knowledge of genetics and genomics in providing personalized nursing care and counselling patients and families on genetic testing procedures, results and possible implications for healthcare.

Pharmacoepidemiology and Pharmacoeconomics (course coordinators: Gordana Blagojević Zagorac, Višnja Neseck Adam, Sonja Obranić)

- Explain basic pharmacoepidemiological and pharmacoeconomic methods and techniques.
- Critically evaluate results of studies and analyses.
- Assess the significance and value of a medicine (especially new versus older medicines) within the healthcare system and the pharmaceutical market.

Quality Management Systems in Healthcare (course coordinators: Ivo Dumić-Čule, Sonja Obranić)

- Evaluate basic concepts of quality control in healthcare and the nurse's activities in maintaining and improving quality systems.
- Recognize priority areas for quality improvement in the healthcare system.
- Review healthcare outcomes in relation to care quality.
- Explain the methodology of identifying health risks and assess the need for risk measurement.
- Define and justify general principles of health-risk assessment and management.
- Interpret risk-management processes in healthcare.

Public Health and Health Promotion (course coordinator: Tomislav Meštrović)

- Explain and differentiate legal issues and organization of public-health institutions.
- Define concepts and principles of primary healthcare with emphasis on dental medicine through the development and application of preventive programmes.
- Identify and assess major public-health problems in the community and list and differentiate public-health databases and registries.
- Describe the concept of health promotion for individuals and their environment and apply salutogenesis in an integrated approach through nursing activities.
- Explain and evaluate the need for interprofessional and intersectoral collaboration in health promotion and the nurse's role in disease prevention and health literacy.
- Create and organize public-health preventive programmes.

Healthcare Management (course coordinators: Marinko Artuković, Krunoslav Capak, Ivo Dumić-Čule)

- Make rational decisions regarding further career development based on realistic grounds and possibilities.
- Apply knowledge of management skills.

- Interpret functioning of the healthcare system.
- Assess behaviour of citizens and patients in seeking healthcare services.
- Evaluate possibilities for rational, organized and scientifically grounded management.
- Determine the importance of a professional approach to healthcare management.

Medical Informatics (course coordinator: Ivo Dumić-Čule)

- Search and use medical literature.
- Collect and use medical information online.
- Understand information-processing methodology.
- Evaluate information and communication technologies in nursing.

Approach to Persons with Disabilities (course coordinator: Hrvoje Hećimović)

- Apply appropriate approaches according to the specific needs of persons with disabilities.
- Understand approaches to specific impairments in persons with disabilities and children with developmental disabilities; plan and conduct nursing care according to principles of the nursing process.
- Evaluate outcomes of nursing plans.
- Describe and understand techniques and specific interventions of a multidisciplinary approach in working with persons with disabilities and children with developmental disabilities; promote modern approaches to improve quality of life.

Family Mental Health (course coordinators: Hrvoje Hećimović, Ivana Živoder)

- Critically assess mental-health problems in the context of the society and family system in which individuals live.
- Explain and define application of the developmental-integrative approach for assessment, diagnosis and treatment of affected persons.
- Understand and analyse the need for interventions in families and identify and propose family-work programmes.
- Understand links between risk and protective factors in the family environment and developmental outcomes for children and youth; establish cooperation with other professionals involved in care.
- Understand and explain specific principles for successful implementation of programs in the family environment and recognize key components of the family-school-community partnership.

Contemporary Topics in Psychology (course coordinator: Eva Brlek)

- Describe and explain basic principles and theories guiding educators in the teaching process.
- Explain the meaning of self-concept and self-esteem in learning and teaching.
- Describe and explain applications of learning and intelligence theories in teaching.
- Describe and explain the role of self-efficacy and self-regulation in learning and ways to encourage them.
- Explain the concept of motivation and its role in learning and teaching.
- Critically analyse methods of effective classroom management.
- Analyse and understand advantages and disadvantages of various teaching strategies.
- Compare and contrast different forms of assessment and measurement of knowledge.