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# UNIVERSITY OF SÃO PAULO SCHOOL OF NURSING



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**0701201 – Nursing as a Social Practice****Syllabus**

Nursing as a social practice. Reorganization of the hospital under the aegis of capitalism. Professional nursing and socio-political and economic changes. Influences of England, France and North America on the nursing profession in Brazil. Ethics and morality. Foundations of ethics. Responsibility of the nursing team. Human rights. Federal Constitution and the Consumer Protection Code. History of education and its influence on teaching. Concepts of education and educational policies. Education in health and citizenship (social responsibility). Anthropology and Nursing. Dynamics of the concepts of culture, ethnicity, gender, and generation and their implications for health. Primary dimensions of human beings in relation to history, linguistics, family, and community. Sociology and society; Health and social issues. Work division. Working process in nursing: care and management dimensions.

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**0701202 – The Health Needs of Social Groups and Nursing****Syllabus**

The health needs of the individuals and families inhabiting different social groups of specific territories. Fundamental elements: health needs; health and education policies; vital statistics, biostatistics and epidemiology; environmental health and the theoretical-practical foundations of Collective Health. Identify the health needs of individuals and families of different social groups within a specific territory.

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**FSL0107 – Introduction to Sociology****Syllabus**

Modern society and the emergence of sociological thinking. Sociology as a science and the contemporary social issues: the social division of labor and class relations; urban growth, poverty and marginalization. Social medicine and the hospital institution.

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**HEP0170 – Health Statistics****Syllabus**

The foundations and instruments of Vital Statistics. Statistical techniques for exploratory data analysis.

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**HEP0136 - Epidemiology****Syllabus**

The objective of the course is to teach nursing undergraduates the basic foundations of Collective Health, discussing the health-disease concept, the causality and the natural history of disease. Based on this initial ground, the following topics are centered on discussing the method of epidemiological investigation. Thus, it approaches aspects of descriptive epidemiology, as well as the formulation and testing of hypotheses. Within this context, the main emphasis is on the varied study designs, from experimental to observational. Lastly the discipline aims to focus on the epidemiology of communicable and non-communicable diseases, culminating with an approach to epidemiological surveillance and its role in the Health System.

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**0420127 – Basic Integrated Sciences for Nursing I****Syllabus**

This course comprises the macro- and microscopic morphology of cells, as well as the basic principles of their physiology. It also covers the overall organization of tissues and of the nervous system, which are necessary to the understanding of the functioning of an organism under normal conditions, highlighting the primary aspects of clinical interest to nurses and preparing students to understand the changes induced by drugs/medications in the organism.

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**QBQ0105 – Biochemistry and Molecular Biology****Syllabus**

Structure and Reactivity of Biomolecules. Metabolism. Molecular Biology.

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**0701203 - Educational Activities and Human Relationships in Nursing Practice**

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**Syllabus**

Education in health in nursing practice. Human communication and interaction.

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**PSA0183 – Developmental Psychology****Syllabus**

Notions of development as a process occurring throughout life.

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**0420128 - Basic Integrated Sciences for Nursing II****Syllabus:**

This program comprises the macro- and microscopic morphology and the physiology of the locomotor, respiratory, cardiovascular, digestive, endocrine and urogenital systems and their targeting by pharmacological actions. It includes the knowledge required to understand how an organism functions under normal conditions and in the presence of disease, with an emphasis on the main aspects of the nurse's clinical interest.

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**HSA0106 – Foundations of Environmental Health****Syllabus**

Inter-relationship between health and the environment. The pollution of water resources, air and soil: the impact on the environment and health effects, prevention and control. Health service waste management and control. Prevention and control of rodents and arthropods.

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**BMM0400 - Basic Microbiology****Syllabus**

Teach students to recognize the importance of microorganisms in the environment and in their impact on human disease; to relate microorganisms among themselves to all other living beings. Educate students regarding the nurses' role in the prevention and control of communicable diseases. Provide basic notions of isolating techniques, of identification of microorganisms and of microbial population control. Provide information about the main agents which cause human infections and their respective control mechanisms.

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**BMP0217 –Parasitology Applied to Nursing****Syllabus**

Parasitology foundations considered important in Primary Care. Concepts of parasite biology. The biological cycle of parasites. Transmission mechanisms as a basis for the control of parasitic diseases.

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**0701204 – Individual and Family Evaluation****Syllabus**

Theoretical and conceptual foundations for evaluating individuals and families as one stage of the nursing process. Methods and instruments to evaluate a child, adult, older adult and the family as a whole. Physiological, functional, nutritional, and psychosocial evaluation of individuals, and structural, functional and developmental evaluation of families with the purpose of identifying their nursing intervention needs in the health-disease process. Introduction to clinical reasoning.

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**0420129 - Basic Integrated Sciences for Nursing III****Syllabus**

This course aims to integrate, review and analyze the concepts of Anatomy, Cellular Biology and Physiology, and Biophysics with Pharmacology, understanding the organism as a whole and as the target of pharmacological interventions, knowledge that is required to understand the functioning of an organism under normal conditions, emphasizing the main aspects of clinical interest of the nurse. This section of the course integrates the detailed knowledge regarding the pharmacology of the various systems of the organism and the effects of drugs/medication on diseases.

**MTP1152 – General Pathology****Syllabus**

The concept of disease; the concept of physiological and pathological mechanisms; understanding the disease in evolutionary and cultural terms. Reversible and irreversible cellular lesions; concept of necrosis and apoptosis. Cellular adaptation; the concept of hypertrophy, atrophy, hyperplasia and metaplasia. Circulation alterations; edema, thrombosis, embolism, heart attack, hemorrhage and shock. Malignant and benign neoplasms; nomenclature, the concept of differentiation and anaplasia; metastatic mechanism, notions of carcinogenesis. Chronic and acute inflammation; vascular phenomena in inflammation; the role of chemical mediators; inflammatory cells and their roles; the inflammatory granuloma; the processes of tissue repair.

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**MCG0103 – Topographic Human Anatomy Applied to Nursing****Syllabus**

Topographic anatomy of the head, neck, chest, abdomen, limbs, pelvis and perineum.

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**BMI0468 - Immunology****Syllabus**

Provide students with the basic knowledge that will serve as a foundation for an understanding of the organization and functioning of the immune system. The knowledge regarding immunological phenomena will allow students to understand some themes related to human diseases that will be addressed in the final section of the course, specially abnormal reactions such as hypersensitivity and autoimmune disease.

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**BIO0119 – Genetics and Human Evolution****Syllabus**

Disease patterns in the past and present. The importance of genetics to nursing. Genetic counseling. Prenatal diagnosis. Chromosomes and chromosomal disorders. Genes and patterns of monogenic heredity. Multifactor heredity. Genetics and the population. Evolutionary aspects of diseases.

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**0701205 – Nursing and Biosafety****Syllabus**

Encompasses the conceptual and ethical-legal foundations in Nursing Care in terms of biosafety, focused on the prevention of biological risks.

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**0701206 – Nursing in Primary Care****Syllabus**

The foundations of primary health care. Planning, implementing and evaluating nursing in primary care. Participation in health promotion projects at the intersectoral level, with actions aimed at specific groups. Applying concepts of health promotion and recovery and prevention of disease and injury in primary health care nursing. Monitoring health needs in the primary care network. Nursing care of individuals, families and groups from different demographic groups and epidemiological profiles, based on their social context and considering their clinical, ethical and relational/inter-rational dimensions. Applying the concepts of managerial work in health and nursing care.

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**BMP0218 – Parasitology and Nursing in Primary Care****Syllabus**

The biological, pathological and epidemiological aspects of parasitology. Primary knowledge of the main parasitic endemic diseases in Brazil. Transmission and prophylaxis mechanisms of parasitic disease. Treatment and integrated control programs for important parasitic endemic diseases.

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**0701207 – Nursing in Drug Administration****Syllabus**

Principles of drug administration. Drug administration routes. Care in the preparation and administration of drugs. Primary care protocols.

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**PSA0293 – Psychoanalysis Foundations and Nursing****Syllabus**

Based on psychoanalysis concepts and research, this course will provide students with an understanding of the whole body, not restricted to the somatic body. This does not refer to the psychic body as opposed to the somatic body, which would suggest false and fruitless dichotomies, but instead refers to bringing the somatic and the psychic bodies closer, as suggested in Freud's Personality Theory, showing where they overlap. It is expected that students will become engaged in discussions and concepts that will assist them in their research and allow further reflection as a nursing professional.

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**ENO0221 – Nursing Research****Syllabus**

The historical process of knowledge, science and research. Quantitative and qualitative research. The ethical and legal aspects of research.

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**0701208 – Integrative Conceptual Matrix****Syllabus**

Nursing knowledge. Nursing concepts, models and theories. Humanized care. Clinical reasoning and critical thinking. Nursing Process. Nursing classification systems. Principles of evidence-based practice.

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**ENC0222 – Nursing in Adult and Elderly Health****Syllabus**

Theoretical, conceptual and methodological foundations of care provided to adults and aged the elderly; human response to disease, life processes and nursing interventions; nursing care of adults and the elderly. Nursing care of adults and the elderly with chronic and acute diseases, undergoing clinical and surgical treatment, in outpatient clinics, medical-surgical hospital units, surgical centers, intensive care units, emergency rooms, undergoing rehabilitation and at home.

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**ENC0229 – Nursing in Material Centers****Syllabus**

Knowledge of the dynamics of the Material and Sterilization Center, technologies used in material processing and working processes. Observing and complying with the established parameters for processing reusable materials – safely cleansed materials, disinfected or sterilized, free of biofilms, endotoxins and other pyrogens and toxic substances.

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**ENP0375 - Nursing in Women's Health, in Maternal and Neonatal Health****Syllabus**

Nursing care to women with benign gynecological diseases undergoing clinical and surgical treatment at a hospital unit. Nursing care to parturient women centered on the physiology of labor, to puerperal women in Rooming-In Care (RC) and to the newborn at birth, in RC and the neonatal unit. It encompasses the theoretical, conceptual and ethical-legal foundations of women's, newborn and family care.

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**ENP0382 – Nursing Care of Children and Adolescents Suffering from Disease****Syllabus**

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Theoretical and conceptual foundations of the process of caring for children and adolescents with a chronic or acute disease. Two premises serve as foundations of care: disease as an experience in the life of the child, adolescent and their family, and the principles of family-centered care.

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**ENP0253 – Nursing in Mental and Psychiatric Health****Syllabus**

Study of the theoretical and practical construction of the psychiatric and psychosocial fields and their associated care technologies, founded on the historical contextualization of the mental health-disease process, for the construction of working processes in mental health, i.e., individualized therapeutic interventions for clients of the public mental health care service.

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**ENO0301 – Nursing Ethics and Legislation****Syllabus**

Ethical-legal dimensions of the professional practice in nursing. Ethical-legal instruments and principles of the professional practice in nursing.

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**ENO0302 - Bioethics****Syllabus**

Ethical dimension of professional practice. Bioethics themes related to the profession.

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**ENO0400 – Management Applied to Nursing****Syllabus**

Theoretical and conceptual foundations of administration. The working process of nursing management. Management of Care. The mission, vision and structure of the organization. Management models. Planning and organization of care. Human, physical, environmental and material resources.

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**ENS0425 – Nursing in communicable diseases focused on collective health****Syllabus**

Theoretical, conceptual and ethical-legal foundations of care provided to patients with communicable diseases (CD) in terms of health promotion, prevention, care, and rehabilitation of individuals and their families; learning experiences at specialized health care services (outpatient clinics, reference centers and hospitals).

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**ENO0500 - Curricular Internship I (Nursing Administration)****Syllabus**

Concepts, methodologies, and instruments of the process in nursing management work. Planning, organization and evaluation of health care. Management of human and financial resources.

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**0701209 - Curricular Internship II (Nursing in Primary Health Care, Psychosocial Care, or Specialized Outpatient Clinics)****Syllabus**

Concepts, methodologies, and instruments of the working process in nursing. Planning, organization, practice and evaluation of nursing care. The practice of nursing care and management of nursing care.

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**0701210 - Curricular Internship III (Hospital or Pre-Hospital Nursing Care)****Syllabus:**

Concepts, methodologies, and instruments of the working process in nursing. Planning, organization, practice and evaluation of nursing care. The practice of nursing care and management of nursing care.

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**OPTIONAL COURSES**

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**ENC0110 – Nursing in Complementary Health Practices****Syllabus**

This course provides nursing students with: a space to discuss complementary health practices; a wide and critical view of the most common nursing practices, foundations for the integration of proven utilities in the official health system, a view of the systemic concept of life and the holistic aspect of the health-disease process, and the opportunity to develop discussions about the nurse's role in the holistic theoretical framework.

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**ENC0115 – Health Care in Stomal Therapy: the ostomized patient****Syllabus**

Causes for stoma confection: historical, epidemiological and conceptual aspects. Biopsychosocial issues of the ostomized individual during the different operative stages. Interdisciplinary care of the ostomized client. The roles of the nurse and of the stomal therapist. Rehabilitation and quality of life. The reality of services and Care Programs for ostomized patients. Self-help groups.

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**ENC0132 Nursing Care in Gerontology****Syllabus**

1. Demographic and epidemiological aspects of aging. 2. Attitudes, myths and stereotypes associated with aging. 3. Biopsychosocial aspects associated with aging. 4. Gerontological evaluation. 5. Nursing care in gerontology: theoretical-practical aspects.

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**ENC0140 – Oncology Nursing: Fundamental Concepts****Syllabus**

Aims at understanding the primary principles of pathophysiology, prevention and treatment of cancer, as well as the analysis of the primary concepts of nursing care of oncology patients, such as coping, adaptation, hopelessness, self-image, self-stigmatization, quality of life, loss and death.

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**ENC0155 – Stomal Therapy Care Aimed at Wound Prevention and Treatment****Syllabus**

Aims at deepening the knowledge of the evaluation and general principles of the specific treatment of chronic and acute wounds, such as an important role of the nurse and the interdisciplinary team.

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**ENC0160 – Introduction to the Study of Stress and Coping****Syllabus**

Understanding and analyze the foundations of stress; learning the physical, mental and behavioral effects of stress; learning the theoretical content related to coping and analyzing the effectiveness of different styles and strategies of coping.

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**ENC0165 – Bioethics and Health in the Cinema: Reflection and Debate****Syllabus**

Contextualize bioethics in the contemporary world. Discuss the bioethical principles related to the humanization of care, the final periods of life, abortion, transplants, and clinical research. Reflect upon ethical aspects inherent in everyday hospital health care.

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**ENC0170 – Health Care in Arterial Hypertension****Syllabus**

Arterial hypertension as a chronic disease and its effects on adult health. Epidemiological aspects of arterial hypertension. The care of individuals with hypertension and the nurse's role in the following situations: primary

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prevention, blood pressure measurement, pharmacological and non-pharmacological treatments, the process of treatment adherence, secondary prevention, and the nurse's educational role.

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**ENC0185 – Rehabilitation in Spinal Cord Injury****Syllabus**

Current concepts regarding rehabilitation: impairment, incapacity, activity and participation. Clinical and epidemiological aspects of spinal cord injury. Physical and psychosocial alterations resulting from spinal cord injury. Nursing intervention and procedures in the rehabilitation of individuals with spinal cord injuries: preventing pressure ulcers, reeducation for urinary and bowel elimination, autonomic dysreflexia, male and female sexual dysfunction.

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**ENO0150 – The Nurses' Health****Syllabus**

This course aims at providing students with the skills to analyze working conditions within the health-disease process experienced by nursing workers. To do this, it characterizes the occupational risks and work accidents to which nurses are exposed and encourages discussion about the prevention of such accidents.

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**ENO0165 – The Historical Process and Contemporary Practices of Nursing****Syllabus**

The precursors of modern nursing and nursing practices. The advent of modern nursing and the influences of Florence Nightingale. The movements toward the professionalization of nursing. The French influence on Brazilian nursing. Nursing associations in Brazil and throughout the world.

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**ENP0105 – Obstetrical Practices in Labor and Delivery Care****Syllabus**

This course approaches the following content: History of labor and delivery care in Brazil; Models of labor and delivery care and their agents; Labor care and place of birth: home,, hospital and normal delivery centers; Scientific evidence in labor and delivery care; The nurse's role in labor care and their perspectives of action.

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**ENP0110 – Introduction to Clinical Research in Nursing****Syllabus**

The link between practice and research in nursing. The outline of clinical research and its utilization. Types of study design. Statistics foundations: types of data, descriptive and inferential statistics, and table and chart representation. Classification of scientific evidence and its importance in interpreting scientific literature.

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**ENP0122 – The Care of Children in Child Education Institutions (child day care centers)****Syllabus**

Characterizes child daycare centers, how they emerged and their current role in society. Child day care centers as a resource for education, care and/or socialization. Pertinent legislation. Characterization of nursing care at child day care centers: its purpose, creating proposals according to references for "child", "environment" and "care".

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**ENP0132 – The Use of Toys in Child Care**

The importance and meaning of playing for children. The functions and classifications of toys. The use of toys in different phases of the child's development. Play as a relevant strategy for child care. Recreational areas.

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**ENP0141 – Concepts of Sexuality in Western Society****Syllabus**

Identify the concepts of sexuality in Western society from its ancient origins. Identify the effects of contemporary morality on interpersonal relationships. Relate contemporary concepts of sexuality to the practice of health care professionals.

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### **ENP0160 – Birth control methods**

#### **Syllabus**

Study of birth control methods and their main characteristics. The client-health team interaction in conception and contraception care. Preventive aspects of human reproduction.

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### **ENP0161 – Education for Sexual and Reproductive Health**

#### **Syllabus**

Approaches the educational aspects of sexual and reproductive health in all life cycle phases. Discusses the physiology of the female and male genital apparatus and their relationship with sexual and reproductive health and the promotion of maternal, fetal and neonatal health. Relates STDs/AIDS to sexual and reproductive health. Discusses concepts of nursing and reproductive rights, social and ethical aspects, accessibility to health services and the abortion issue from its many points of view.

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### **ENP0175 – The Child in Violent Situations: Support for the Practice of Health Professionals**

#### **Syllabus**

This course includes a review of the development of school-aged children; historical, political, economic, and psychosocial determinants of homelessness in children; the issue of homeless/street children in terms of their specific needs and limitations to their potential development; and current intervention proposals, including shelters as an alternative.

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### **ENP0191 – The Experience of the Individual and the Family in the Process of Dying**

#### **Syllabus**

Death and dying; components of the experience. The concept of death. The process of death – Bioethics and death. Nursing intervention models in a death context.

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### **ENS0101 – Health Promotion and Nursing Practice**

#### **Syllabus:**

The purpose of this course is to present the structuring concepts of the Health Promotion field and its interface with the practice of nursing, particularly in Primary Care and Health Surveillance.

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### **ENS0102 – Health Services: funding and costs in the production process**

#### **Syllabus:**

The logic of funding and the provision of structural resources for the Brazilian National Health System (SUS) as key issues related to its effectiveness. The process of regulation over the transferring of intergovernmental resources for health, notions of services and their costs to the economy.

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### **ENS0160- The Systematization of Educational Actions in Collective Health**

#### **Syllabus**

Conceptualization of the educational process. Health Education: history and main theoretical landmarks. Health Promotion. Social control and public health policy. Demarcation of health issues for planning educational interventions. The structuring of workshops, focal groups, cultural circles and operative groups. The specificity of nursing and educational interventions.

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### **ENS0172 Psychoactive Drugs: Preventing and Reducing Harm**

#### **Syllabus**

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Theoretical foundations regarding the contemporary use of psychotropic drugs. The classification of psychotropic drugs according to their effects on the central nervous system (CNS). Epidemiological studies of drug use in Brazil. Psychopharmaceuticals: uses and dependence. The different socio-cultural contexts and contemporary drug use among the youth. Psychodynamic aspects related to drug users. The stigma, myth and prejudice in the way society has been treating drug users: patients or criminals? Preventive approaches: the battle against drugs *versus* harm reduction. The prevention AIDS as one of the possible harms associated with drug use. Public and social policies for prevention and treatment in Brazil.

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**ENS0180 – The Prevention of Sexually Transmitted Diseases and AIDS (STDs/AIDS) in the Context of Collective Health Nursing: the Incorporation of the Concept of Vulnerability**

**Syllabus**

The epidemiological evolution of STDs and AIDS in Brazil; The models and practices for the prevention of STDs and AIDS in Brazil; The concept of vulnerability applied to AIDS.

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**ENS0185 – Nursing Interventions in Collective Health and the National Policy for Primary Care Humanization in the Brazilian National Health System (SUS)**

**Syllabus:**

The Unified Health System and the National Humanization Policy (*HumanizaSUS*). The guiding values of *HumanizaSUS*: autonomy and protagonism of the subjects, the co-responsibility between them, establishing solidarity bonds and collective participation. Respect for the autonomy of health service clients: information, communication and privacy. Strategies and technologies for the humanization of health care and nursing interventions in collective health: the Family Health Program, Community Health Agent programs, user embracement, ombudsman, Pathology Forum. Humanization experiences in primary health care services and the implications for nursing in collective health practices.

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**ENS0190 – Women’s Health from a Gender View**

**Syllabus:**

This course reflects on women’s lives and health from a gender perspective, i.e., through social processes of construction of femininity and masculinity in a specific sociocultural context. Hence, it is possible to understand and intervene in women’s health-disease processes, considering the unique nature of the Brazilian scenario.

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**ENS0191 – Systematization of the Approach to Ethical Issues in Primary Care: Introduction to the Deliberation Method**

**Syllabus:**

Knowledge and skills necessary to understand ethical issues in primary care. Conflicts of value in primary healthcare nursing practice. Facts, values, duties and the process of moral deliberation. Arguing over decisions. Description of problems, courses of action, and morally consistent decisions. Distinction of conflicting values in ethical issues. Respectful contact and dialogue with distinct moral views. Moral conflicts in teamwork. The specificity of bioethics. Peculiarities of bioethics in primary care.

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**0701250 – Communication for the Broadened Clinic in Primary Health Nursing Practice**

**Syllabus:**

Basic Elements of Communication. Broadened Clinic. Primary Health. Nursing as a social practice. The working process in health. Therapeutic communication. Counseling. Support. Listening. Humanization. Interpersonal Relationships. Collective and Mental Health. Care.

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**0701251 – Prevention and Control of Healthcare-Associated Infections**

**Syllabus:**

The theoretical, conceptual, historical and ethical-legal foundations of Healthcare-Associated Infections (HAIs).

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**0701255 – The Educational Program for Health Work (*PET-Saúde*)****Syllabus:**

In the current international scenario, interprofessional education (IPE) is acknowledged as a component of the changes that have been recommended in the education and training of health professionals and in health care, aiming at increasing the solvability of the service network and the quality of health care. The literature on IPE points out that the education of health professionals should contemplate the construction of the professional identity specific to each area, as well as the learning shared with students of other disciplines. Hence, IPE aims at developing competencies that involve knowledge, skills and attitudes for teamwork in health centered around the health needs of service clients and the population, with collaboration between different professionals. IPE is oriented towards interprofessional practice and finds in primary health care, characterized by the comprehensiveness of health, interdisciplinarity and professional–client intersubjectivity, a privileged place for an early introduction of the theme in the education of the health professional. Therefore, this optional course is aimed mainly at students enrolled in the 10 degrees in the health field at the University of São Paulo within the Educational Program for Health Work (*PET – Saúde*).

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**0700010 - Independent studies 1****0700011 - Independent studies 2****0700014 - Independent studies 3****0700015 - Independent studies 4****0700016 - Independent studies 5****Syllabus:**

Encourage and value the participation of students in activities that broaden the dimensions of the curricular components related to nursing, as a complement to their professional education.