«Obstetrics and gynecology» – the educational discipline, containing systematized scientific knowledge about physiological and pathological processes, occurring in an organism of the woman, caused by its anatomy-physiological features, and also conception, pregnancy, labor and delivery and postpartum period; about methods of diagnostics, treatment, prevention of complications during pregnancy, labor and delivery, postpartum period, fetus and newborn diseases, and also diseases of the reproductive system in different age groups.

The purpose of teaching and discipline studying «Obstetrics and gynecology» consists in acquiring of scientific knowledge by students about the physiological and pathological processes occurring in an organism of the woman during the different age periods, and also during pregnancy, labor and delivery, postpartum period and master in main provisions of the given discipline.

The mission of studying the discipline consists in acquiring by students the academic competence which basis on the ability to independent search of information resources, mastering in methods of acquiring and conceiving of knowledge:
- The main concepts of obstetrics and gynecology;
- The reasons and mechanisms of development of a pathology of pregnancy, labor and postpartum period;
- The symptoms of typical gynecologic diseases, including at girls-teenagers;
- The methods of treatment, rehabilitation and prophylaxis of gynecological diseases;
- Principles of dispensary observation of the female population.

The mission of teaching the discipline consists in formation of the socially-personal and professional competence which is based on:
- Knowledge and application of bases of the legislation on health protection of mother and the child, principles of the organization of the medical help in Byelorussia, prospects of development of system of the public health services, directed on improvement of a state of health of the population;
- Knowledge of the main sanitary-and-epidemiologic rules in obstetrics and gynecology, directed on preventive maintenance of infectious-inflammatory diseases of pregnant women, women in childbirth, newborn and gynecologic patients;
- Knowledge of bases of reproductive medicine;
- Mastering in methods of examination of pregnant women, women in childbirth, newborn and gynecologic patients, including girls and the teenagers, promoting formation of clinical thinking and keeping norms of medical ethics and deontology;
- Ability to use the knowledge received in the course of training for diagnosing of normal physiological pregnancy and labor, postpartum and neonatal period;
- Ability to diagnose and management of pathological pregnancy, labor and postpartum period;
- Ability to diagnose gynecologic diseases and to treat them;
- Ability to give emergency help at urgent situations in obstetric and gynecologic practice;
- Acquisition of knowledge and abilities to prevent development of a pathology during pregnancy, labor and postpartum period taking into account groups of risk, anamnesis and methods of rehabilitation after concrete pathology;
- Acquisition of knowledge about symptoms and management of extragenital diseases, surgical and gynecologic pathology at pregnancy and their influences on a pregnancy and its outcome, a condition of mother, fetus and newborn;
- Development of methods of prevention of gynecologic diseases in different age groups and rehabilitation of gynecologic patients;
- Acquisition of knowledge on application of the medical products and drugs used in obstetrics and gynecology;
- Acquisition of knowledge concerning application of assistant reproductive technologies, possibilities of endosurgery and other methods of treatment for the purpose of preservation and restoration of reproductive health of women.
The student should know:
- the purposes, problems, features of the organization of the ambulatory and stationary medical help in Byelorussia in obstetrics and gynecology;
- a sanitary-and-epidemiologic rules in an obstetrics and gynecology;
- prophylaxis of a hospital infection in delivery hospital;
- deontology in obstetrics and gynecology, including children's gynecology;
- main signs of women’s health, the causes of maternal, perinatal and neonatal death rate;
- indications and contra-indications to pregnancy prolongation at the most frequent extragenital, surgical and gynecologic pathology;
- clinical-laboratory indicators of the basic diseases in obstetrics and gynecology (within the curriculum);
- indications to hospitalization in obstetric and gynecologic hospitals;
- the physiological processes occurring in bodies of reproductive system of the woman during the various age periods;
- the physiological processes occurring in an organism of the woman in connection with conception, pregnancy, sorts and in the postnatal period;
- a physiological current and principles of saving of pregnancy, labor, postpartum period; primary toilet of the newborn and complications of the early neonatal period;
- methods of an estimation of a condition of functional system «mother – a placenta – a fetus»;
- an etiology and pathogenesis of complications of pregnancy, labor, postpartum period, and also gynecologic diseases and anomalies of development of female genitals in different age groups;
- classification, clinic, diagnostics, differential diagnostics, treatment and preventive maintenance of complications of pregnancy, labor, postpartum period, the main gynecologic diseases;
- the basic stages of operative interventions in obstetric and gynecologic practice (within the curriculum);
- principles and methods of the general and local anesthesia applied in obstetrics and gynecology;
- indications and contra-indications to rehabilitation of pregnant women, women in childbirth and gynecologic patients;
- bases of rehabilitation and prophylactic medical examination of pregnant women and gynecologic patients.
The student should be able:
− to take general and obstetrical, gynecological anamnesis of pregnant woman, and gynecologic patient;
− to exam general condition and internal body investigation of pregnant woman and gynecologic patient;
− to make objective external investigation: external obstetric inspection, measurement of the sizes of a pelvis;
− to define the term of pregnancy and the date of labor;
− to define weight of a fetus;
− to estimate fetus heart beating, to make palpitation of fetus;
− to work independently with educational, scientific, standard and reference books;
− to interpret results of laboratory and general examination of pregnant women and gynecologic patients for diagnostics and differential diagnostics of a pathological state;
− to reveal risk factors of occurrence of an obstetric and gynecologic pathology;
− to reveal complications of pregnancy, labor and postpartum period;
− to treat urgent medical conditions as gestosis; bleedings; hemorrhagic and infectious-toxic shock; the DIC-syndrome;
− to solve deontological problems connected with gathering of the information, preventive maintenance, diagnostics and rendering assistance to pregnant women, women in childbirth and sick of gynecologic diseases.