



BASIC CONCEPTS RELATED TO LEARNING TECHNOLOGIES

Academic freedom is a set of powers of subjects of the educational process given to them for independent definition of the content of education in disciplines of a component on a choice, additional kinds of training and the organization of educational activity for the purpose of creation of conditions for creative development of students, teachers and application of innovative technologies and methods of training;

Academic period (Term) - the period of theoretical training established independently by the organization of education in one of three forms: a semester, trimester, quarter;

Academic credit - a unified unit of measurement of the volume of scientific and (or) educational work (load) of a student and (or) teacher;

Academic Calendar - a calendar of educational and control events, professional practices during the academic year with the indication of days of rest (vacations and holidays);

Academic mobility - the movement of students or teachers-researchers for training or research for a specific academic period (semester or academic year) in another university (in the country or abroad) with a mandatory re-offset of academic programs, disciplines in the form of academic credits in their university or for further study in another university;

Academic rating of a student (Rating) - a quantitative index of the level of mastery of a curriculum of disciplines and/or modules and other types of educational activity, made according to the results of the intermediate attestation;

Academic hour - a unit of measurement of the volume of classes or other types of educational work, 1 academic hour is equal to 50 minutes (in military special educational institutions 1 academic hour is equal to not less than 40 minutes), is used for drawing up an academic calendar (schedule of the educational process), schedule of classes, planning and accounting of the passed educational material, as well as planning the pedagogical load and accounting of the teacher's work;

Active Handouts - visual illustrative materials handed out during training sessions to motivate students to creatively master the topic (lecture theses, links, slides, examples, a glossary, tasks for independent work);

Computer animation - dynamic graphics, based on the application of various dynamic

visual effects (moving pictures, highlighting in color, font of individual elements of schemes / tables, etc.); synthesis of dynamic images that create the illusion of movement on the screen;

Bachelor, Master, Doctor - academic degrees awarded to individuals who have mastered the relevant educational programs of higher and postgraduate vocational education;

Browser - client software for visualization of Web-space using hyperlinks;

Video conference - one of the information technologies that implies electronic interactive interaction between distant students and teachers (tutors), carried out in real time using telecommunication equipment;

Video lecture - a type of educational materials presented as non-interactive video sequences;

Supplementary educational program (SEP) - a set of disciplines and (or) modules and other types of educational work, defined by a student for study to form additional competencies;

Distant educational technologies - training carried out with the use of information and telecommunication means at the mediated (at a distance) or not completely mediated interaction between a student and a teacher;

Two-diploma education - an opportunity to study according to two educational programs and curricula with the purpose of obtaining two equivalent diplomas or one basic and the second additional;

The European system of a transfer (transfer) and accumulation of credits (ECTS) - a way of transfer of the credits received by the student abroad, in credits which are counted for reception of degree by them after returning in the organization of education, and also accumulation of credits within the limits of educational programs;

Registration for an academic discipline (Enrollment) - procedure of registration of students for academic disciplines;

The individual curriculum - the curriculum formed for each academic year by students independently with the help of an adviser on the basis of the educational program and the catalog of elective disciplines and (or) modules;

Information technology (IT) - system of methods, production processes and software and hardware integrated with the purpose of collection, processing, storage, distribution, display and use of information;

Final certification of students (Qualification Examination) - a procedure carried out to determine the degree of mastering the volume of educational disciplines and/or modules and other types of educational activities provided by the educational program in accordance with the government mandatory standard of the appropriate level of education;

Content (information content) - texts, graphics, multimedia and other information significant content. The essential parameters of the information content are its volume, relevance and relevance;

The control of educational achievements of students - check of educational achievements of students in a particular discipline on the basis of control tasks of different types (written works, tests, practical works, portfolio, oral polls, etc.); it is divided into the current control, border control and final control;

Conference, discussion group - a network user forum organized for discussion and news exchange;

Credit mobility - the movement of students for a limited period of study or internships abroad - as part of continuing education in their home university - in order to accumulate academic credits (after the mobility phase students return to their education organization to complete their studies);

Credit technology of training - training on the basis of a choice and independent planning by the student of a sequence of studying of disciplines and (or) modules with accumulation of the academic credits;

Microsoft Teams - a centralized platform that allows you to create virtual classrooms to work together and interact with students and staff. To use this solution, you must have an Office 365 account (login and password) in the domain of an educational organization (Astana IT University);

Moodle (Modular Object-Oriented Dynamic Learning Environment) is an open source learning management system focused primarily on organizing effective interaction between teacher and learners, although it is also suitable for organizing traditional distance learning courses and supporting face-to-face learning;

Mandatory Component - Courses taken by students in a mandatory program of study;

Online technologies - means of communication of messages in the network information space, providing synchronous information exchange in real time;

Course Description - A brief description of the course (usually 5-8 sentences);

Major - an educational program defined for a student to study in order to form key competencies;

Registrar's Office - A service that records the student's entire history of academic achievement and ensures that all types of knowledge controls are organized and the student's academic rankings calculated;

Offline technology - a means of communication of messages in the network information space, which provides asynchronous information exchange;

Office 365 - software product from Microsoft, the world's leading software manufacturer, combining a set of web services that are distributed on a subscription basis;

Postrequisite - disciplines and/or modules and other types of educational work, which require knowledge, skills and competencies acquired after the completion of the discipline and / or modules;

Prerequisite - courses and/or modules and other academic work that contain the knowledge, skills, knowledge, and competencies required to master the course and/or modules;

Course Program (Syllabus) - A curriculum that includes a description of the course of study, goals and objectives, a summary of the course, the topics and duration of each class, independent work assignments, a list of literature, consultation hours, a description of student knowledge ratings, and instructor's requirements;

Academic outcomes - the amount of knowledge, skills, and abilities acquired and demonstrated to students through an educational program, and the values and attitudes formed;

Midterm Examination - A periodic review of students' academic performance conducted according to an approved academic calendar by the instructor conducting the class;

Independent work of the student (IWS) - work on the certain list of themes allocated for independent study, provided with the educational and methodical literature and recommendations; depending on a category of students it is divided into independent work of the student, independent work of the master and independent work of the doctorate candidate; all volume of IWS is confirmed by the tasks demanding from the student of daily independent work;

Average grade point of academic achievement (Grade Point Average - GPA) - the average weighted estimation of level of educational achievements of the student for a certain period under the chosen program (the relation of the sum of works of credits on a digital

equivalent of points of a final estimation on all kinds of educational work to the total quantity of credits on these kinds of work for the given period of training);

Current control of academic achievement - systematic check of academic achievements of students on each subject and / or section of a discipline, carried out by the instructor;

Transcript - the document containing the list of mastered disciplines and (or) modules, and other types of educational work for the corresponding period of training with the indication of credits and marks;

Tutor - An instructor who acts as an academic adviser to a student in the development of a particular course and/or module;

Curriculum - The main document regulating the list and scope of academic disciplines at a given level of education and the order in which they are studied.

Academic achievements of students - knowledge, skills and competencies of students acquired during their studies and reflecting the achieved level of personal development;

Forum - a topic presented on the Internet for discussion and open for all or part of the participants;

Digital educational resources (hereinafter - DER) - didactic materials for the disciplines and/or modules studied, providing learning in an interactive form: photos, video clips, static and dynamic models, objects of virtual reality and interactive modeling, sound recordings and other digital learning materials;

Digital content - information content of digital learning materials (texts, graphics, multimedia and other information content);

Chats are unrestricted, temporary or permanent "rooms" for communication with interlocutors. Chats can be group or private.

Elective disciplines - academic disciplines included in the university component and the component of choice within the limits of the established academic credits and entered by the organizations of education, reflecting individual preparation of the student, taking into account specificity of social and economic development and requirements of concrete region, the developed scientific schools;

Advisor - the teacher who carries out functions of the academic mentor of the student under the corresponding educational program, rendering assistance in a choice of a trajectory of training (formation of the individual curriculum) and development of the educational program during training.