Наименование дисциплины и код:	**Intellectual Information Systems in Organizational Management Group TA-1-16**
Лектор	**Alieva Saltanat/ Алиева Салтанат**
Контактная информация:	Chair of Applied Computer Science Phone: 32-51-20
Количество кредитов:	2 credits/ 30 hours
Дата:	**2017-2018, II semester**
Цель и задачи курса	Contemporary skills, the ability to use today's computer applications, enable people to apply information technology immediately. In the present labor market, skills are an essential component of job readiness. Most importantly, skills provide a store of practical experience on which to build new competence. Foundational concepts, the basic principles and ideas of computers, networks, and information, underpin the technology. Concepts explain the how and why of information technology, and they give insight into its opportunities and limitations. Concepts are the raw material for understanding new information technology as it evolves.
Описание курса	The widespread application of Computer Science, as embodied in the tools and techniques for gathering, manipulating, analyzing and disseminating information, made possible because of dramatic improvements in computer and telecommunications technologies, has significantly changed society. A large proportion of business transactions is performed over computer networks. Multi-media computers have had a significant impact on the way in which people learn and on the way they seek entertainment. Moreover, the increased integration of computer and telecommunications technology, exemplified by the Internet and associated technologies, has led to an increased globalization of the world economy. Intellectual capabilities, the ability to apply information technology in complex and sustained situations, encapsulate higher-level thinking in the context of information technology. Capabilities empower people to manipulate the medium to their advantage and to handle unintended and unexpected problems when they arise. The intellectual capabilities foster more abstract thinking about information and its manipulation.
Пре реквизиты	PRE-REQUISITES OF THE SYLLABUS Students should meet the technology requirements expected of all admitted incoming International Tourizm students. Students are expected to come to the course with at least a basic knowledge of personal computers including managing files, searching the Web, installing software and hardware, and creating basic spreadsheet, presentation and word-processing files.
Пост реквизиты	The course will take a blended approach to instruction including readings, quizzes and exams, discussion and hands-on project work in order to provide a broad understanding of information technology. The goal of the course is to assure that students achieve a level of technological fluency essential to today's working information

	professional across a variety of specific career interests. The course provides a general review of information technologies but is not intended to provide the level of expertise necessary for highly technical specialties such as systems librarianship or programming. Rather, the goal is to assure that the student is able to fully engage as a knowledge worker, that is, communicating with IT professionals on a technical level, being active and knowledgeable participants in technology planning, management and evaluation, and demonstrating proficiency with productivity, application and enterprise software, media files and other tools of the profession. Most importantly, the student should be comfortable with technology, aware of technological change and sensitive to the individual and social issues related to technology in order to become self-directed life-long learners of technology.
Компетенции	**Knowledge and Understanding** After completing this course, students are able to: • demonstrate the understanding of the general nature of the individual IPRs and be able to show how such rights can be used to protect intangibles • explain the basic rules and requirements necessary to obtain a relevant IP protection • demonstrate the awareness of international differences that exist in the IP system (i.e. between US and Europe) and conflict of interests (i.e. between developed and developing countries) **Skills and Abilities** After completing this course, students are able to: • identify and apply individual IPRs to a different range of IT related innovation and business strategies • identify and describe the problems that may arise in connection with different strategies for the commercialisation of IPRs in the IT and explain how such problems can or should be resolved in the IT sector **Judgement and Approach** After completing this course, students are able to: • develop the capacity for independent and critical thinking concerning IPRs and IT innovation • demonstrate the understanding the IPRs in the broader social and ethical context where IPRs are weighed against other societal interests
Политика курса	The syllabus aims to: 1. develop a range of cognitive skills, including critical thinking skills; 2. develop an understanding of the components, the architecture and the organisation of a computer system; 3. equip students with the knowledge necessary to make informed decisions about the selection of components of computer systems; 4. develop an understanding of the problem-solving process; 5. equip students with skills to create algorithms to solve problems; 6. develop skills to write correct programs to solve problems; 7. develop an understanding of the concepts of software engineering; STUDENT CONDUCT

	Students will be prompt and on time for class. • If you are going to be late or absent please notify me or the Adult Education Office. • If you need to leave early please inform me or the Adult Education Office before class. • Skipping class is not permitted and is punishable by the failure of the lab exercise for that class session and absenteeism for that class session. - Please be respectful to your fellow classmates by not talking during tests. - Cell Phones must be switched to vibrate or turned off during class. If you must answer your phone please excuse yourself quietly and leave the classroom.
Методы преподавания:	The successful implementation of this computer science syllabus will require to have computers which are standard main equipments for this subject. Alongside computers other computing tools and applications software have been identified and are indicated in this syllabus where they will be needed. Various ICT resources for the implementation of computer science competency based curriculum to preserve its nature of being most likely practical scientific subject are the following: 1. Computer laboratory: One computer for one student. It is recommended to school to explore the available technologies in market to minimize the cost of laboratory equipment. 2. Projectors: Presentation is the key element of the competency based curriculum where student's works, teaching materials will be mostly displayed using projector for computer science content. 3. Laptops per teacher: Teachers needs to prepare learning and teaching materials, organize content so as to use classroom time effectively. One laptop per teacher is required. 4. Softwares: In most cases skills expected from this competency based curriculum do not rely on any version of operating system or any version of application software, however the latest version of the most softwares at the time of implementation will be used.
Форма контроля знаний	**GRADING** University report student achievement in terms of the following grades: | Grade			Interpretation
---	---	---	---
A	85-100	'5'	Excellent achievement
B	70-84	'4'	High achievement
C	50-69	'3'	Satisfactory achievement
D	40-49	'2'	Limited achievement	
Литература: **Основная** **Дополнительная**	
СРС	
Примечание.	

Календарно-тематический план распределения часов с указанием недели, темы

№	Дата	Тема	Кол-во час	Литература	Подготовительные вопросы по модулям
1.	22/01	Simulation models for Business Planning	2	*[1],[3],[4]*	
2.	29/01	Getting started Enterprise library	2	*[1],[2],[4]*	
3.	5/02	Creating a new project	2	*[1],[2],[3]*	
4.	12/02	Creating a flowchart Defining model data	2	*[1],[3],[4]*	
5.	26/02	Collecting utilization statistics	2	*[1],[2],[5]*	
6.	5/03	Addicting teller lines logic, animating tellers	2	*[1],[2],[5]*	
7.	12/03	Activity Based Costing	2	*[1],[2],[5]*	
8.	19/03	About Process Modeling Library	2	*[1],[2],[3]*	
9.	26/03	Controlling the Model Execution	2	*[1],[2],[3]*	
10.	2/04	Running the model until specified moment or for specified time interval	2	*[1],[2],[3]*	
11.	9/04	Code Completion Master	2	*[1],[2],[3]*	
12.	16/04	Navigating Through a Running Model	2	*[1],[2],[3]*	
13.	23/04	Controlling the Model Execution Programmatically	2	*[1],[3],[4]*	
14.	30/04	System Dynamics Modeling	2	*[5],[6]*	
15.	7/05	Experiment Framework	2	*[5],[6]*	
		Total	30		

График самостоятельной работы студентов

№	Недели Месяцы	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Суммы балов
		февраль				март						Апрель-май						
1	Текущий контроль	15				15						10						40 баллов
2	Срок сдачи СРС*	29.01 - 2.02. 2017г.				26.03 – 30.03.2017г.						7.05 – 12.05.2017г.						

*СРС – самостоятельная работа студентов.

Примечание: График проведения рубежного и итогового контроля устанавливается Учебным отделом.