



Przedmiot: Computer Science				
Forma zajęć: wykład	Semestr: 1	Rok: 1	Wymiar godzin: 15	Punkty ECTS: 2
Forma zaliczenia: zaliczenie na ocenę		Typ przedmiotu: obowiązkowy		Język nauczania: angielski
Kierunek: Międzynarodowe Stosunki Gospodarcze			Tryb: stacjonarne	Rodzaj: licencjackie
Specjalność: International business				
Katedra: Katedra Technologii Informacyjnych				
Stopień naukowy wykładowcy: prof. dr hab.		Imię i nazwisko wykładowcy: Jerzy Korczak		

Wymagania wstępne (przedmioty wprowadzające):

Basic notions of Microsoft Windows operating system environment, MS Word processing software and MS Excel spreadsheet.

Program przedmiotu:

The course comprises three parts. The first provides an overview of the current state of information technology, and more importantly, its use for and by business. The second examines the domains in which these technologies are being applied, and the potential directions in which they may be developed. In particular, the lectures will be focused on data management, computer networking, databases, software design, MIS. The third considers the strategic allocations of IT for future business practice. The selected IT applications will be presented covering business applications, e-commerce, banking, electronic payment, security, algorithms and complexity.

The program of the lecture will be spread into five main topics:

1. Introduction - basic information technology concepts.
2. Information systems - data management and data processing
3. World Wide Web technologies
4. Databases : OLTP and OLAP systems
5. Data networking, e-governance, e-commerce and future trends in IT

Metody dydaktyczne:

The material will be presented using multimedia tools, computer programs and economic databases.
The lecture support will be available on the university ePortal.

Cele przedmiotu:

The main objective of this course is to develop knowledge and skills to understand and use modern information and communication technology used business-oriented applications. The course will introduce the process of information processing, functionalities of computer networks, the internet and Web technologies, information system development. Students will receive practical knowledge to use word processors, spreadsheets and databases.

Warunki zaliczenia:

To achieve the course students have to obtain a positive grade on the three assignments.

Literatura podstawowa (do 4 pozycji):

Balzan P., Phillips A., Business Driven Information Systems, McGraw-Hill, 2009.
Faouzan B., Mosharraf F., Foundation of Computer Science, Cengage Learning Business press, 2007.
Senn J.A., Information Technology: Principles, Practices, and Opportunities, Prentice Hall, 2003.
Shelly G.B., Cashman T.J., Vermaat M.E., Microsoft Office 2007: Brief Concepts and Techniques, Course Technology, 2007.

Literatura uzupełniająca (do 4 pozycji):

Date C.J., An Introduction to Database systems, Addison Wesley, 2003.
Deitel P.J., Internet & World Wide Web: How to program, Prentice Hall, 4th ed., 2007.
Hopcroft J., Motwani R., Ullman J., Introduction to Automata Theory, Languages and Computation, Addison Wesley, 2006.
Tennanbaum A.S., Computer Network, 4nd Edition, PHI, 2002.