

SYLLABUS

SUBJECT INFORMATION TECHNOLOGY

TEACHER JERZY KULASA, MSC

COURSE DESCRIPTION

This course is an introductory course in information technology. Topics include foundations in hardware, software, data and an overview of the use of information technology in organizations. Topics include structured programming techniques, systems development, database design and networking, with an emphasis on appropriate business ethics, interpersonal skills and team building.

ECTS

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LEARNING OUTCOMES

Upon completion of this course the student should be able to:

1. Define the academic discipline of Information Technology and contrast it with other computing related academic disciplines, such as Computer Engineering, Computer Science and Information Systems.
2. Demonstrate an understanding of the impact of information technology on individuals, organizations, and society.
3. Describe the major components of information technology applications: Hardware, computer networks, software, data, processes, and people.
4. Describe the different components of a computer network.
5. Understanding of different types of networks.
6. Define "Software Engineering".
7. Discuss the role of databases in IT applications.
8. Understanding of the basic techniques for designing, construction and manipulating databases, and retrieving data from them.

GRADING POLICY

Written test (60% of final grade):

Class participation (40% of final grade): Attendance will be taken every laboratory meeting. There are no excused absences.

TIMETABLE

To be prescribed

TEXTBOOK AND REQUIRED MATERIALS

Turban E., Introduction to Information Technology - Textbook Only (Student Edition)

Parameswaran R, Sarvana Kumar R., Jaylakshmi T., A Textbook Of Information Technology

PREREQUISITES:

High school course in operating systems and popular office software