Miskolci Egyetem

Gépészmérnöki és Informatikai Kar Informatikai Intézet

Alkalmazott Informatikai Intézeti Tanszék

Tantárgyi tematika és ütemterv (2016/2017. 1. félév)

Introduction to Technical English (GEIAK 209B-a) ERASMUS

Nappali BSc szint

Tárgyfelelős: Dr. Dadvandipour Samad egyetemi docens

The subject covers a broad range of lessons on "Classic literature in Technical Science" and "Information Science & Technology" using texts and materials taken from textbooks, newspapers, computer magazines and websites. Classic literature in Technical Science mainly focuses on the comprehensive learning of materials needed to set up students' language skills and ability in traditional engineering sciences. The lessons are based on those materials which were taken from different textbooks, they include material science, solid mechanics, fluid mechanics, electric, electronics & computer science, oil industry, energy and innovative engineering sciences. The covering topics of Information Science and Technology involve principles of computer architecture, computer application, operating system, application programs, networks, communication systems, and IT (recent and future developments). The main aim of the subject is to provide students' ability in expanding their knowledge in R&D (Research and Development) using the Technical language abilities.

1. Week: Introduction and Goal of the course

2. week: Introduction to Solar Energy – I.

3. week: Introduction to Solar Energy – II.

4. week: History of Cybernetics

5. week: Cybernetics in principals

6. week: Introduction to Bio-Mechanics – I.

7. week: Introduction to Bio-Mechanics – II.

8. week: Free speech and seminarium – On the Presented Subjects – I.

9. week: Free speech and seminarium – On the Presented Subjects – II.

11. week: On the principal of Artificial Neural Systems

12. week: Robotics – I.

13. week: Robotics – II.

14. week: Oral exam on the presented materials and Final test

Literature:

Because of a variety of the content, the different topics according to the desire of the students were chosen. But the main idea was given by the potential professors or students.

Literature and References:

1. Free online materials downloaded from the Internet.

2. Any books, which are available.

Remarks:

1. The subject scheduled for 2x2 hours or 2x1. The result of Exam depends on the student's activities and Homework during the semester, and Colloquium (writing and oral exam).

2. The teaching language for the subject is English.