**Weekly** **Schedule**

1 General information, topics for small lectures

2 Foundation of Number Theory, extended Euclidean algorithm

3 Fast computation of powers, implementation of algorithms

4 Prime tests, Applications of the Chinese remainder theorem

5 IoT, Clouds and their security

6 RSA algorithm

7 Implementation of algorithms

8 First test

9 Autumn break

10 Introduction to NMAP and Nessus scanner software

11 Nessus scanner functions, report generation, evaluation

12 Lab exercises

13 Second test

14 Retake/correction test

**Requirements**

Ethical requirements http://www.ieas.unideb.hu/index.php?p=104&l=en

Who is not following the ethical requirements:

a. Automatically fails.

b. Name of the student will be known in the circle of Teachers of the Faculty of Informatics.

Requirements for the labor: successful test

**Exam**/**test**

central tests at the time of the exercises

Grades:

16 - 19 pass (2) (each test needs to be 50%+1 )

20 - 23 satisfactory (3)

24 - 27 good (4)

28 - 30 excellent (5)

**Consultations**

During the instructor's office hours in the study period or pre-arranged time via email.