

Course Introduction

ITC8050 – Strategic and Operational
Aspects of Cyber Security

Instructors

- Rain Ottis, PhD
 - Associate Professor, TUT
- Jaan Priisalu
 - Researcher, TUT
- Bernhards Blumbergs (practice/exercises)
 - TUT PhD programme / NATO CCD COE

Topics

- Reviewing basics
- Actors in cyber conflict
- CIIP, security planning and management
- incident handling
- serious games

Tabletop

- Red-Blue exercise
- Red teams prepare attack scenarios against Blue teams
- Blue teams prepare cyber security plans
- Red attack scenarios are played in order to test Blue plans and incident handling capability
- Key points: communication and cooperation

Principles

- Learning to think and use your knowledge
- Cooperate and communicate
- Real world examples, if possible
- Open discussion

Course overview

- Code: ITC8050
- Location: ICT-A1
- Time: odd weeks, 1745-2100
- Exams: December and January
- Info: <http://courses.cs.ttu.ee/pages/ITC8050>
 - Updates, schedules, presentation slides, etc.
 - Check it weekly

Course overview

- Grading
- Written homework – 30%
 - research paper or essay on agreed topic
 - 2000-4000 words
 - due December 1st
- Tabletop exercise participation – 10%
- Oral exam – 60%
 - 2 questions, including at least one on the written homework topic

Data

- This is the 6th iteration of the course
 - Previously known as ITX8062
- 2010 – 25 exams (14x5, 6x4, 4x3, 1x1)
- 2011 – 38 exams (16x5, 11x4, 8x3, 1x2, 2x1)
- 2012 – 35 exams (7x5, 11x4, 12x3, 2x2, 3x1)
- 2013 – 33 exams (6x5, 9x4, 13x3, 5x2)
- 2014 – 70 exams (21x5, 17x4, 6x3, 8x2, 9x1, 7x0)

Grading papers

- Proper referencing?
- Meets length criteria?
- Submitted on time?
- Identifies and answers the topic?
- Can I determine the author's contribution?
 - Is it significant enough?
- Well organized and clearly written?
- (Optional) Tables/graphs used properly?
- Readable English?

Referencing

- Reference sources in text
 - A list in the end is not enough
- When you copy a sentence or a paragraph, format it as a quote
- When you use your own earlier work, reference it
- Consider the appropriateness of your sources
- Plagiarism will lead to failing the course

Referencing examples

This is something along the lines of IEEE [12]. I have some thoughts of my own as well.

References

[1] ..

..

[12] A.N. Author, My Book. Tallinn: TUT Press, 1999.

Questions?