

Data Communication and Network Security Course

**IMT 2431
2012 / 2013**

Patrick Bours
Goitom Weldehawaryat



IMT2431 Course: Who are we

■ Patrick Bours

- Room A-104
- patrick.bours@hig.no
- 611 35250
- Skype: patrick.bours.norge





IMT2431 Course: Who are we

■ Goitom Weldehawaryat

- Room A-118
- goitom.weldehawaryat@hig.no
- 611 35484





IMT2431 Project: Individual

- Project work is **group project!**
 - 3 or 4 students per group!
- Talking to other groups or students is allowed, but each group should write its own report!
 - We can (and will) check if reports are “too close”!
 - People have failed courses and worse for plagiarism!!!



IMT2431 Project: Report – 1

- Report parts:
 - Introduction
 - Short description of the protocol
 - Graphical representation + global description
 - Bit-level description
 - Analysis of the recording
 - References



IMT2431 Project: Report – 2

- No page limits are given but descriptions should not be too short **or too long!!**
- Use multiple sources! Make sure your information is complete!
- **DO NOT** copy and paste from other work (=plagiarism)! Use own words
 - Use references if you use other work!
- Work effort is (obviously) more important than scientific brilliance



IMT2431 Project: Report – 3

■ Obvious remarks:

- Have a title page (full page), that includes names, student numbers, and topic
- Number your pages
- Number your sections
- Number your tables
- Number your figures
- Do spell checking (errors in English is not a big deal, but you should at least show a minimal effort)



IMT2431 Report: Protocols

- Recordings for various protocols are available:
 - DHCP
 - FTP
 - HTTP
 - SMTP/POP
 - SSH
 - SSL
 - TCP
 - Traceroute



IMT2431 Report: Task

- Show that you do understand the selected protocol and that you can analyse/understand the captured network traffic



IMT2431 Report: Practical

- Send email before 25/2/2013, 23:59 to Patrick with
 - All group members (name + student numbers)
 - Protocol selected
- Per protocol only 5 recordings
 - First come/first serve!!
 - So provide alternatives (say top 3)



IMT2431 Report: Practical

- I will reply to your email:
 - With the recorded data
 - Maybe additional information
- For those who have not send an email before the deadline:
 - We will group you with other students!
 - We will select a protocol for you!
 - No possibility for complaining!



IMT2431 Report: Workload

- Approximately 100 hrs per person:
 - 10 ECTS = 300 hrs
 - CISCO, Project, and Network Security part count equally
- Breakup (approximately):
 - Literature research: 20 hrs
 - Traffic analysis: 50 hrs
 - Writing report: 30 hrs



IMT2431 Report: Deadline

- Start 19/2/2012
- Point of Contact:
 - Goitom Weldehawaryat for all “practical matters”
 - Patrick Bours for all “administrative matters”
- Deadline 14/5/2012 @ 23:59
- Delivery in Fronter