IT Security Engineering & TPs

Wed. Nov. 12 – Sun. Nov. 23

2014 Feedback
TPs

Globally, I think that this teaching is:

- **6 excellent (6)**: 21 answers, 60% of the responses.
- **5 good (5)**: 9 answers, 26%.
- **4 satisfactory (4)**: 5 answers, 14%.
- **3 unsatisfactory (3)**: 0 answers, 0%.
- **2 poor (2)**: 0 answers, 0%.
- **1 extremely poor (1)**: 0 answers, 0%.
- **not concerned**: 0 answers, 0%.

Average: 5.5
Median: 6.0
Standard deviation: 0.7
Plusses

- I love it
- **Interesting** exercises
- Very interesting and **challenging**.
- Very challenging with very few helps, but once done is very **satisfying**
- very exciting and **fascinating** labs overall!
- Intéressant et **amusant**, on applique les concepts théoriques vus en cours.
- I love the experiments, the materials are **excellently designed**.
- The labs are **great**! They are very **fun** to do! And we cover many different types of vulnerabilities.
- Certains projets un peu trop longs, mais qu'est-ce que c'est **intéressant** !
- A really **unexpected but excellent** course. The TP support the theoretical course really well. They give a strong insight into hacking and vulnerabilities that can be complex or simple.
- This has to be one of the **best course ever** to be offered to IC students interested in dabbling a bit in security, and most importantly, penetration. **Highly informative, highly hands-on**, it grants experience and intuition, and it is overall a lot of **fun** to spend time at the labs. So much so as most **students stay quite a lot longer** than the 2 attributed hours. **10/10**, would take again. And actually probably will be lurking by the lab room next year.
- Really good way to learn an **impressive** amount of interesting things on computer science. that I wish had I learned before. The format of the lab is **exciting** and the labs well balanced in terms of time consumption (except the first 2!!).

- **Maxime** is very nice, several times stayed more than 1 hour after the course to help students.
- Excellent job from **Maxime and Ioannis**. We appreciate their motivation.
  - They often stay after hours, especially when the TPs are long.
  - Maxime is an excellent teacher. His explanations are always clear and precise.
  - He is eager to share his skills. Good job
Minusses

- this course is worth **more than 2 credits** in my opinion.
- have the course to account for **more credits**

- Please provide us with **solutions** to the weekly problem sets after their deadline.
- It would be better that after each week, there can be a **solution** PDF that provides detailed explanation of the theories and techniques involved.
- The TA should **explain answers** in a slower manner.

- La **difficulté** des labos est très variable,
  - il faut 7 heures certaines semaines et seulement 45 minutes pour d'autres...
- They are becoming a bit **too easy** at the end of the semester.
  - It would be great to have **more challenging** questions

- the way the **points** are given (based on the CTF idea) is not good at all for such course.
  Indeed, because people get more points for answering faster, the goal know is to answer the questions as fast as possible without even knowing what we are really doing.
  Hence this is a bad way to give points as people won't really try to learn what they are doing because they have the pressure to find the answer as fast as possible!  **[Welcome to the real world!]**
- The **web interface** could be improved with something to know out team's number of points / ranking. And graphically, some more css wouldn't hurt ;)


Course

Globally, I think that this teaching is:

<table>
<thead>
<tr>
<th>Possible answers</th>
<th>Nb. answers</th>
<th>In %</th>
<th>Average</th>
<th>Median</th>
<th>Standard deviation</th>
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<td>40</td>
<td>5.2</td>
<td>5.0</td>
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<td>5 good (5)</td>
<td>35</td>
<td>43</td>
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<td>4 satisfactory (4)</td>
<td>11</td>
<td>14</td>
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Excellent.
interesting!
très intéressant
very interesting, a good mix of technical and real-life knowledge.
très bien présenté malgré sa densité importante.
dynamic and interesting. Lots of material to learn but it's still ok to handle.
favorite course! and combined with TP is the best
Overall an excellent class, this is exactly what I was looking for!
Excellent course, we learn real risks in security
Fascinating course.
Best lectures ever!
very theoretical. However, the Labs provided are meant to be very practical, but I have not registered for them.
très intéressant et enrichissant même pour des élèves non-informaticiens.
Les slides et les explications sont généralement très claires
Excellent course and professional delivery. Well done.
Clicker quizzes were a good way to keep the student engaged.
I can easily follow the lectures. I love the videos idea during the break and clicker quizzes help me pay attention because I know they can earn me bonus points.
good theoretical course. We see a large panel of theoretical aspects but also real-world problem.
  A point that is really valuable in my opinion is the view of good and bad practices for multiple problematic situations that security engineers can encounter.
helps me understand the various aspects related to security, it's very comprehensive.
  exercises are very helpful, the more the better.
Exercises are interesting
Teaching plusses

- The professor is nice
- Le prof est très bien
- le professeur est dynamique et entraînant :) 
- The prof is enthusiast and open to questions!
- the professor does a very good job at keeping us motivated.
- Great teacher 
- The teaching is excellent.
- Super motivated teacher who transmits his enthusiasm for the course.
  - It is a pleasure to be taught by such a professional.
  - Like the way he highlights presentation skills and user knowledge.
  - Makes you remember that we develop technologies for PEOPLE
- [Thank you – pj]
- Enjoy your retirement! (I am jealous, that's so far for us...)
Minusses

• Could be more interesting...

• **Prerequisites**: the professor said that no technical knowledge was required at the beginning, but some aspects are really technical and require prior advanced knowledge in some programming languages (like C).

• **Exercises:**
  – solutions for exercises are talked through by TA in the end of the session, maybe, it will be more convenient for students preparing for the final exam, if the short descriptions of the solutions were posted on Moodle.
  – The exercise sessions could be improved by providing additional problems to students. Of course they should be provided with the corresponding solutions.
  – I think that more exercises would be better than so many hours of classes.
    • We cover so many things during the class that it is very difficult to know what is important from what is not.
  – are we really prepared to search for code error and breach?
    • I wasn't and this was really hard for me
  – The exercise in class are not really based on what we saw in the lectures.
  – Les exercices ne sont vraiment pas adaptés à tous les niveaux : dommage
Minusses

- This course should be called IT Security Management because I don't really know where is the engineering part. We spend a lot of time seeing various catalog of classification of vulnerabilities.
  - It is more a management course as we don't see in details and the implementation of many subjects.

- I feel some difficulty to fix the principles, practices, techniques and standards in long-term memory exams.
  - We don't like too much vocabulary learning.
- very good but somehow too many terminologies in class that feel a little boring
- Sometimes feels like some of the terminology is not clearly defined and not "globally standardized".
- way too many abbreviations per lecture.

- a lot of contents, maybe too much...
- les powerpoints sont trop chargés et détaillés à mon goût. Sinon c'est OK
- There are way too many elements on the slides making it hard to know what to learn form them.
- Slides contain too much information.... Most of the time, the information written is not even relatable...
- le rythme est parfois trop rapide (surtout au début du semestre avant le Midterm)
  certains concepts techniques sont traités un peu rapidement
  (par exemple sur la crypto et la distribution des clés, ou sur l'accès à des données protégées par un "Gardien").
- 4 hours of theory in a row is too long.

- We need to have this course in a better environment.
  I believe INF01 is not a good room for lectures. It is really hard to follow if you are not in the first rows.