

CS0424IT — LECTURE NOTES

CYBERSECURITY SPECIALIST

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Written in L^AT_EX



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1 UNIT 1: FUNDAMENTALS OF ETHICAL HACKING

1.1 *Networking*

Lecture 1 (4 hours)
27th May 2024

Pick between seminar, talk or course (this document) to get appropriately different layouts. Seminars being shorter, for example, will not carry the contents section you see above but are otherwise mostly similar to courses. Talks are two-column layouts, which means you cannot have lecture numbers (on your right) or margin notes (see below). Use appropriate options. For more consult <http://vhbelvadi.com/latex-lecture-notes-class>.

1.2 *Operating System & Programming Languages*

1.3 *Python for Hackers and Web Applications*

1.4 *BUILD WEEK 1: Network Security design*

1.5 Operating Systems & Programming Languages

$$\mathbf{v} = \frac{\mathbf{s}}{t} \quad (1)$$

Nam nulla erat, elementum nec magna sit amet, vestibulum rhoncus augue. Praesent non fermentum nulla, quis blandit tortor. Maecenas ut nisi condimentum nisi iaculis porttitor eu sed metus. Proin faucibus aliquet odio, ac lobortis tortor. Mauris porta molestie tortor blandit pretium. Nulla pulvinar id mauris ut efficitur. Donec posuere tortor a odio pellentesque tincidunt. Nulla mi nunc, accumsan nec lectus ut, euismod vulputate libero. Maecenas eu hendrerit metus. Aenean consequat, ex a semper tristique, leo ipsum blandit dui, pharetra consectetur magna enim ac lectus. Pellentesque vel purus malesuada metus scelerisque aliquam. Sed finibus ex sit amet eros faucibus congue. Nulla ut dui egestas, dignissim neque ut, fringilla massa.

This is some margin text and you can include such text anywhere in your notes.

1.6 This is a subsection by itself

And this is a nice $\$ \$ \dots \$ \$$ display environment:

$$\Delta v = \int_{t_0}^{t_1} a \, dt$$

Maecenas ut nisi condimentum nisi iaculis porttitor eu sed metus. Proin faucibus aliquet odio, ac lobortis tortor. Mauris porta molestie tortor blandit pretium. Nulla pulvinar id mauris ut efficitur. Donec posuere tortor a odio pellentesque tincidunt. Nulla mi nunc, accumsan nec lectus ut, euismod vulputate libero. And finally we have the `align/align*` environment:

$$\begin{aligned} x_f - x_i &= \bar{v}t \\ \Rightarrow s &= \bar{v}t \end{aligned} \quad (2)$$

2 YET ANOTHER SECTION

2.1 *And a subsection beneath it*

2.2 *And now a subsection*

2.2.1 With a subsubsection following it

Integer pharetra nulla scelerisque purus luctus iaculis. Mauris pulvinar erat non dui pretium, sed vestibulum sapien condimentum. Nam in urna quis sapien rhoncus placerat vitae sit amet odio. Vivamus finibus euismod nibh vestibulum lobortis. Integer arcu tortor, vestibulum sit amet iaculis ut, ullamcorper non ante. Pellentesque consectetur nec odio quis placerat. Vestibulum vehicula massa vel euismod blandit.

	D (in)	P _u (lbs)	σ _N (psi)
5	test 1	285	38.00
	test 2	287	38.27
	test 3	230	30.67
10	test 1	430	28.67
	test 2	433	28.87
	test 3	431	28.73

Table 1: A table beautified by the book tabs package.

2.2.2 This subsubsection is all by itself

* * *

Lecture 2 (1 hour)
13th June 2017

These ideas were probably discussed in lecture 1 in a parallel universe.

Table 1 courtesy of Mori, L.F. ‘Tables in L^AT_EX 2_ε: Packages and Methods’.