

Telecommunications I

CS1031

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Lectures overview

- Classes: 2 hours lectures and 1 tutorial per week
 - Monday: 15-16, LB01 → Lecture
 - Monday: 16-17, LB01 → Tutorial
 - Tuesday: 11-12, LB01 → Lecture
- Laboratories: 2 hours every 2 weeks
 - You will be divided into four groups, each group will access the lab every second week

Lab groups

- Group 1
 - Allocation: first Thursday, 10.00-12.00, LG36,
 - First half of course: January 18th, February 1st, ...
- Group 2
 - Allocation: second Thursday, 10.00-12.00, LG36,,
 - First half of course: January 25th, February 8th, ...
- Group 3
 - Allocation: first Friday, 14.00-16.00, LG36
 - First half of course: January 19th, February 2nd, ...
- Group 4
 - Allocation: second Friday, 10.00-12.00, LG36,
 - First half of course: January 26th, February 9th, ...

Lab group 1

Allocation: first Thursday, 10.00-12.00, LG36

AVIRAL	AGARWAL
JORDAN	AHERNE
NISSIMOL	AJI
JAMES	ANDERSON
HOLLY	BAKER
THEODOR	BARBU
ALEXANDER	BISGOOD
MICHAEL	BLACK
RUTH	BRENNAN
DAVID	BURKE
DIARMUID	BURKE
STEPHEN	BYRNE
OSKAR	CAHILL
CIARAN	CANNON
JOSEPH	CARNEC
JEVGENIJUS	CISTIAKOVAS

CIARAN	COADY
JAMIE	COFFEY
CHLOE	CONNELLY
SENAN	DART
CHRISTINE	DAY
KRISHANU	DEY
MARTIN	DIMITROV
THOMAS	DIXON
RYAN	DOWLING
MIKHAIL	DYULDIN
LIAM	EGAN
EFEOSA	EGUAVOEN
MATTHEW	FLYNN
MICHELLE	GAUGHAN
RUAIRI	GIELTY
JACK	GILBRIDE

Lab group 2

Allocation: second Thursday, 10.00-12.00, LG36

IMALIA	GONZALEZOVA
DAVID	GREEN
LUKE	HACKETT
EMILY	HARTE
MAGHNUS	HARTIGAN
HUIBO	HE
OISIN	HEALY GELLETLIE
BARRY	HENEGHAN
MATTHEW	HENRY
LUKA	HICKEY
HARRY	HOGAN
LUIZA	ISTOC
NIKA	JASHI
JERZY	JASKUC
JAKUB	JAWORSKI
HAILING	JIANG

OWEN	JOHNSTON
CALLUM	KAVANAGH
CONALL	KEANE
KEVIN	KELLY
ALEX	KENNEDY
STEPHEN	KINSELLA
DARREN	KITCHING
ERNESTS	KUZNECOVS
RUAIRI	LAFFERTY
NICHOLAS	LAWLOR
HE	LIU
SHENGYUAN	LIU
CAROLINE	LIU
SIKAI	LU
BRIAN	LYNCH
CIARA	MACKIN

Lab group 3

Allocation: first Friday, 14.00-16.00, LG36

KACPER	MACZKA
ISOBEL	MAHON
ALEX	MAHON
ANNA	MALIAKAL
KENNEDY	MARQUES
DIVINE	MBUNGA
CONOR	MCCAULEY
ROSS	MCCRANN
CIAN	MCGOVERN LEAHY
LUKE	MCGRATH
MICHAEL	MCGUINNESS
CLAIRE	MCMAMARA
ZACHARY	MEADE
ANDREW	MEEHAN
RAFAEL	MENDES
TOM	MORAN

CONOR	MYLER
MUHAMMAD	NAVEED
DANIEL	NEVILLE
CHRISTOPHER	NIXON
DAVY	NOLAN
CATHAL	O BRIEN
FRASER	O BYRNE
RORY	O DONNELL
CIAN	O GRADY
JAKE	O SHAUGHNESSY
CONOR	O SIRIDEAIN
JACK	O SULLIVAN
KYLE	OVINGTON
SAMUEL	PETIT
EVERLYN	POH YEE WEN
ROBBIE	POWER

Lab group 4

Allocation: second Friday, 14.00-16.00, LG36

LYDIA	ROONEY
STEPHEN	ROWE
CONOR	RYAN
PATRICK	RYAN
MUBARAK	SALAWU
RENALDAS	SAPAITIS
THORAYA	SHAHEEN
LIAM	SHERLOCK
ADAM	SHORTEN O REILLY
AOIFE	SIMM
CORMAC	SMYTH
SHREYAS SHAILENDRASINH	SOLANKI
IAN	SPILLANE
LYDIA	ROONEY
STEPHEN	ROWE
CONOR	RYAN

CELT	STEPHENSON LI
MOHAMED	SULIMAN
CONOR	THOMPSON
CONOR	THORNE
CONOR	TIERNAN
TIMOTHY	TUCKEY
DAVID	URDAIBAY MARTINEZ
VLADIMIR	USTIMENKO
CAOLAN	WALL
CIAN	WALSH
ELLEN	WHELAN
JONATHAN	WHITE
ZUOMIN	XIE
NEELESHPRATAP	YADAV
ANTON	YAMKOVVOY
NAIM	ZAMAN

Exams and lab work

- Exam:
 - will count for 80% of the total marks
- Laboratories:
 - will count for 20% of the total marks
 - based on Matlab, will put in practice the theoretical work explained during the lectures

How will Labs work

- You get an assignment to complete at home (**Except the first which needs to be completed during the first lab**)
- When you get to the lab you will get a mark based on your accomplishment and **especially your ability to explain what you did and how!**
- Then you can start working on the next assignment at the lab, complete it at home, and get it marked on your next Lab session...

When should you go and look back at your lecture notes?

- A. After one day from the lecture
- B. After a week from the lecture
- C. After a month from the lecture
- D. Only once, that's what studying week is for.
- E. Never, I'm a genius, get me out of here!

First lesson: how to excel in CS1031

- Hermann Ebbinghaus
- German psychologist born in 1850
- Famous for his work on mind ability to retain information
- He discovered the forgetting curve:
 - How much you will forget of what you have heard today within 24 hours and in the coming weeks



Ebbinghaus' Forgetting Curve

(How much of something do we forget each day?)

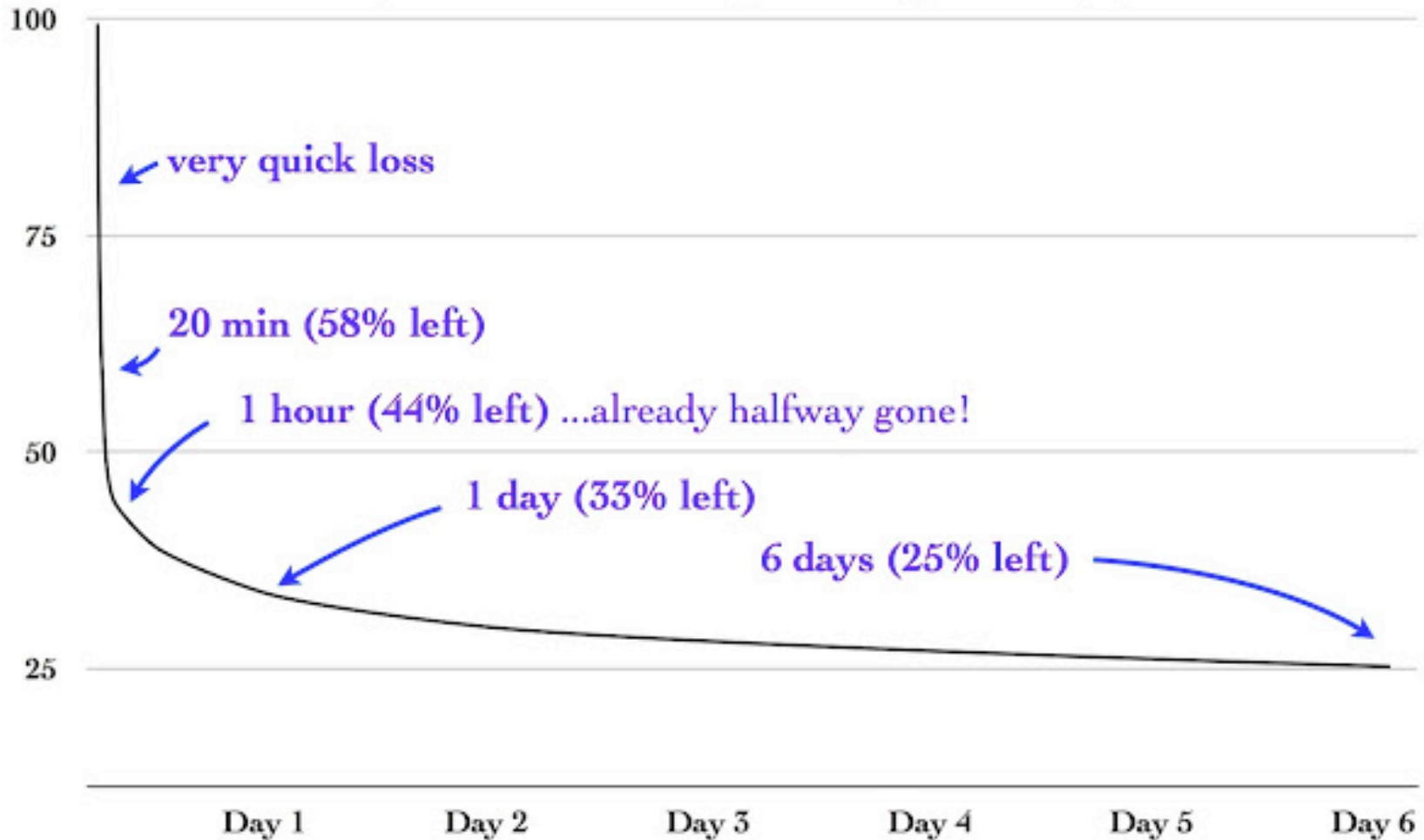


Figure taken from <http://www.senseandsensation.com>

[senseandsensation.com](http://www.senseandsensation.com)

Ebbinghaus' Forgetting Curve (What if we add retrieval prompts?)

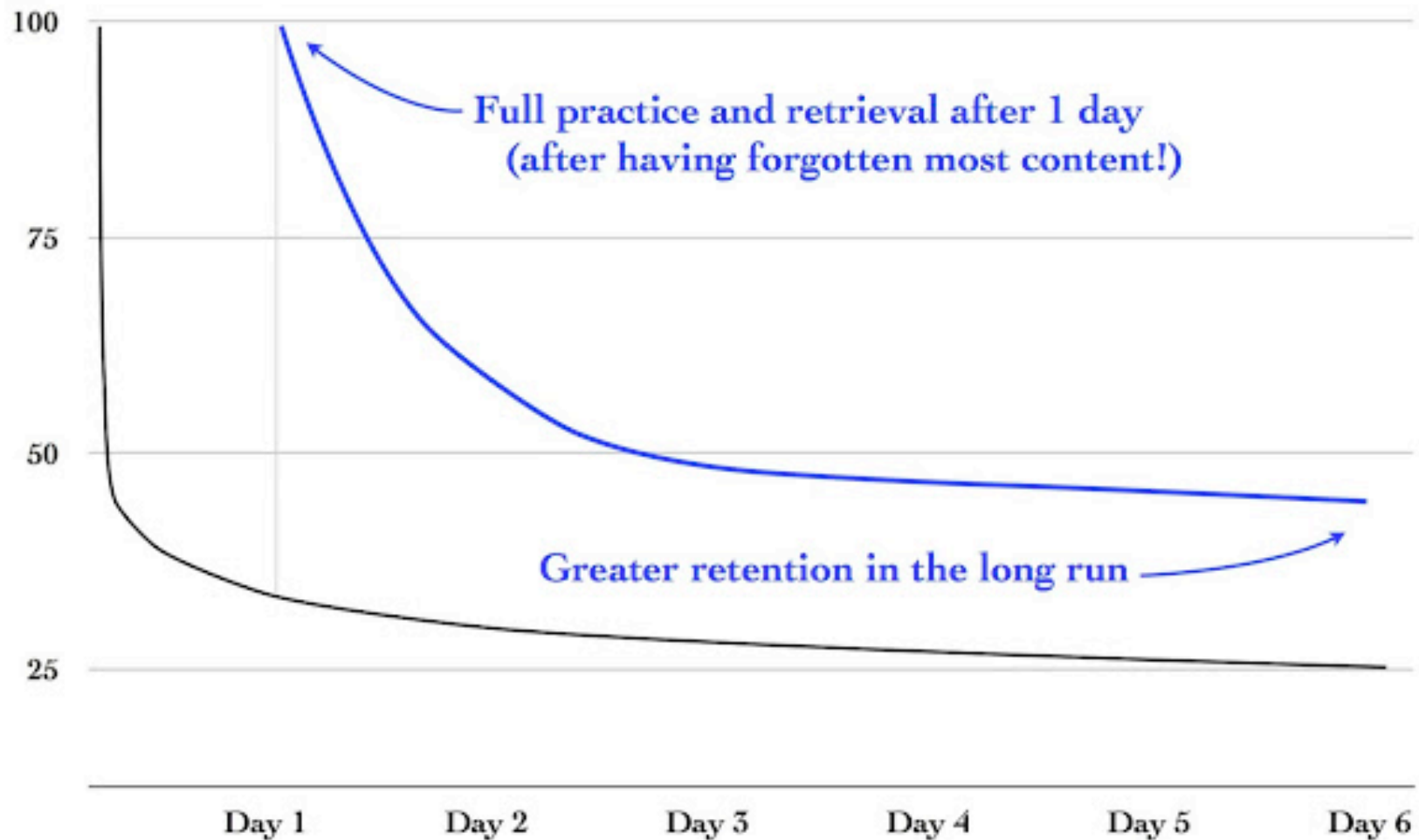


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Ebbinghaus' Forgetting Curve

(What if we add another retrieval prompt?)

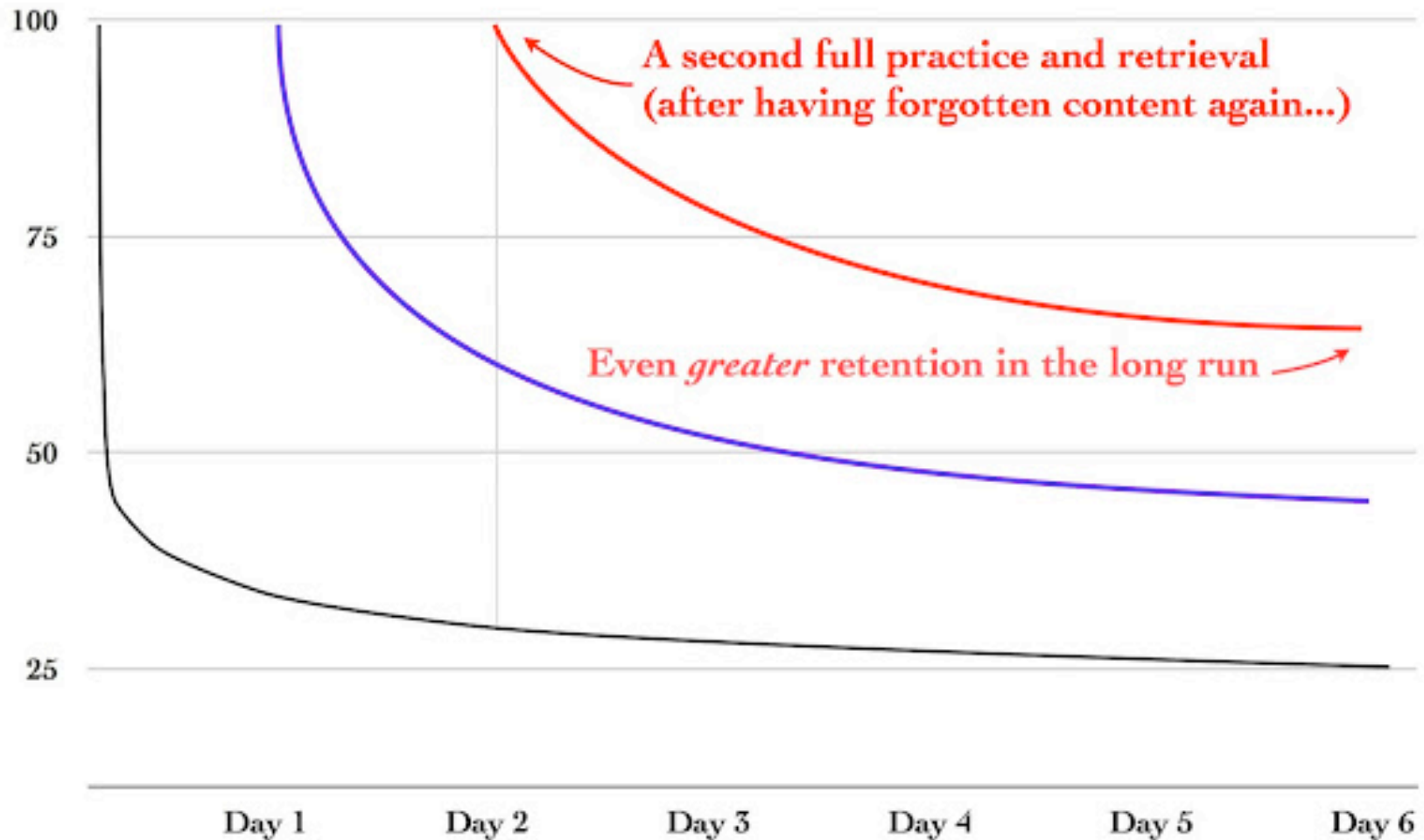


Figure taken from <http://www.senseandsensation.com>

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Moral

- Most effective way of remembering is to study throughout the duration of the course:
 - Look at your notes/slides when you get home
 - Look again the day after
 - Look again after one week
 - Look again after one month...
- Do not wait until reading week to open your notes!!!