Departement of Computer Science

Level: M2 ISI

Course: English

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Lecture 01: Scientific Writing basics

Part one: Verbs, adverbs and adjectives

Verbs:

A verb is a word that expresses action, condition, or state of being. In general, there are three main types of verbs

• Transitive verbs (verbs that requires an object to complete its meaning)

eg: praise, teach, strengthen, assure, maintain, enlist, hold, appraise, engage, guide, involve, pull, touch, convert, alter, modify, reduce, eliminate, destabilize, reject, ignore, command, corrupt, block, compress, Click, press, install, insert, upload, download, scan, uninstall, drag, select, build, enhance, exceed, execute, launch, calculate, analyze, design, predict, program...

• Intransitive verbs (verbs that does not require an object to complete its meaning)

Eg: agree, inquire, remain, rise, appear, disappear, emerge, happen, look, respond, sit, stand, arrive, consist, depend, exist, have, result, become, cost, occur, wait, expand, grow, adapt, run, perform,

PS: there are verbs that can be transitive and intransitive:

Do, open, close, run, set, change, cancel, return, start, stop, crash, register...

• Phrasal verbs:

⇒ Phrasal verbs are verbs that are made up of two parts, one of them is a preposition (in, out, up, down...)

PS: The phrasal verbs are considered informal. Therefore, you may reconsider using them in academic writing.

Phrasal Verbs for Technology and Computers					
Phrasal Verb	Meanings	Example	Phrasal Verb	Meanings	Example
log in sign in sign-in	v. connect to a computer using a username and password n. page or act of registering permission to use a program	To begin, log in to your desktop system.	click on	move a mouse over an item and press to select	

hook up	to connect wires from machines to a power source or other machines	Would you please help me hook up the Internet cable?	scroll up scroll down	to move slowly to the top or bottom of a text	The news story was so long I had to scroll down a lot to read it all.
power up turn on	provide power to a machine	Press the red button to power up your tablet.	run out of	exhaust a supply of something	You will run out of disk space if you save copies of all your emails.
boot up start up	begin running a computer system	Wait a second, my computer is booting up.	back up	v. make an extra copy of a file n. an extra copy of a file	Be sure you back up your files before you change systems.
Shut down	To end/ to turn off	My computer just shut down by it self	Back up	v. to store another copy of the data in an online server	My computer automatically backs up my data into cloud
set up	v. to install a new computer program or assemble a computer system n. the process of adding information using a computer program	This application took a long time to set up.	print out	v. send an electronic document to a printer n. a printed document	I have to print out the directions before I leave home.
pull down pulldown	v. choose from a menu of options in a computer application extending down from the action bar like a window blind n. a menu of options	Look for the file menu and pull down to "Save As"	hack into	enter a computer or network illegally	Someone hacked into my bank and stole millions of dollars.
go down	stop operating properly	I cannot send any emails because the server went down.	opt in / out	choose to receive advertising or messages	The company asked me to opt in to get special offers by email.

wipe out	completely erase or delete files	Before you donate your computer, be sure you wipe out the hard drive.	filter out	remove unwanted email messages	Can we filter out all the spam on this account?
pop up	v. to appear suddenly n. an advertisement that appears suddenly on a computer screen	If you do not want to see the ads, turn on your pop up blocker.	turn off shut down power down	I .	
plug in plug-in	v. insert a cord into an outlet or port n. an addition to a software program that performs a certain task	Plug in your laptop over there.		to use the Internet / not use the Internet	
sign up	register with a service	She signed up for an online dating service.	key in	type or enter characters using a keyboard	It takes too much time to key in that long password.

Adjectives:

Adjectives are nouns that are used to describe things, people, places...

Eg: accurate, limited, fast, modern, available, technological, scientific, functional, suitable, appropriate, latest, innovative, challenging, problematic, advanced, outdated, digital, wireless, exciting, affordable, safe, secured...

- ⇒ Adjectives come before the noun that they describe
- ⇒ You can form adjectives by adding "suffixes"
- ⇒You can add (y, al, ial) to **nouns** to form adjectives.

Eg: length (n)
$$\rightarrow$$
 lengthy (adj) nature (n) \rightarrow natural (adj) finance (n) \rightarrow financial (adj)

You can also form adjectives by adding (ly, ish, ic) to **nouns**

Eg: human (n)
$$\longrightarrow$$
 humanly (adj) amateur (n) \longrightarrow amateurish (adj) robot (n) \longrightarrow robotic (adj)

You can also add (ous, some, able)

Eg: nerve (n)
$$\longrightarrow$$
 nervous (adj) bother (n) \longrightarrow bothersome (adj) value (n) \longrightarrow valuable (adj)

⇒ You can add (y, able, ous, some, al, ful, ic, less, ing, ive) to **verbs** to form adjectives

Eg: speed (v)
$$\longrightarrow$$
 speedy (adj) expand (v) \longrightarrow expandable (adj) continue (v) \longrightarrow continuous (adj)
Practice (v) \longrightarrow practical (adj) help (v) \longrightarrow helpful (adj) analyze (v) \longrightarrow analytic (adj)
Harm (v) \longrightarrow harmless (adj) annoy (v) \longrightarrow annoying (adj) disrupt (v) \longrightarrow disruptive (adj)

⇒ some adjectives are formed by adding "ed"

Eg: limit (n)
$$\rightarrow$$
 limited (adj) determine (v) \rightarrow determined (adj)

A list of positive adjectives to describe people professionally:

active, enthusiastic, motivated, curious, creative, self-taught, autodidact, proactive, adaptable, hard-working, flexible, responsible, authentic, confident, determined, focused, open-minded, analytical, collaborative, dedicated, disciplined, organized, supportive, reliable, strategic, ambitious, decisive, assertive, articulate, visionary...

Adverbs:

An adverb is a noun that modifies a verb, an adjective, a clause, or another adverb. There are different types of adverbs used for different functions.

Adverb of frequency: describe how often something happens. They come before the verb and after "be"

Constantly, frequently, occasionally, sometimes, usually, never, always, rarely, daily, weekly, monthly, yearly.

Eg: data analyst usually interprets data to solve a problem.

Adverbs of time: nouns that refer to specific or general time periods.

Today, yesterday, tomorrow, tonight, soon, later, now, eventually, forever, still, yet, early, late, recently, since

Eg: AI has been a hot topic **recently**.

⇒ **Adverbs of degree:** describe the intensity of an action, and are used to describe adjectives and other adverbs.

Very slightly, slightly, quite, very, extremely, largely, partially, highly...

Ps: in academic writing, you may need to use some adverbs of degree to express hedging (probably, possibly, seemingly, presumably, arguably, conceivably)

Eg: the analysis stage is extremely crucial in software development.

Adverbs of manner: are usually formed by adding "ly" to adjectives, and often placed after the main verb but after auxiliary verbs such as (be, must, have, may)

Angrily, cautiously, nicely, slowly, precisely, unknowingly, loudly...

Eg: JAVA programming is effectively used to develop desktop and mobile applications.

⇒ Some adjectives can be used as adverbs:

fast, early, late, left, right, hard, straight, well.

Activi	ty 01: Write "T" for transitive verb and "I" for i	intransitive verbs at the end of eve	ery sentence.		
2. 3. 4. 5. 6.	Encryption maintains data security in this share You need to inquire about the available IT job. It is important that you respond to emails with Check for updates to enhance your PC perform You can easily upload multiple files from your Not using anti-virus software results in data look ty 02: classify the following verbs as transitive at	positions in this company. in a day or two. nance. r computer se.	() () () () ()		
sit, ins	ert, depend, stand, compress, disappear, downlo command, eliminate, ignore, destabilize, press,	ad, reject, arrive, exist, corrupt, i	_		
Trans	itive	Intransitive			
Activi	ty 03: fill in the gaps with the correct phrasal ve				
 2. 3. 4. 5. 	Be sure you				
Activi	ty 04: transform the words in brackets to form a	adjectives			
2. 3. 4.	It is				
Activi	ty 05: fill in the gaps with the correct adverb:				
Freque	ently, eventually, possibly, carefully, hard,				
2. 3.	systems. Computer science students could	to develop systemsDesign, implement, and measur Write any code for any p	e the effectiveness of rogram.		