

# 601.220 Intermediate Programming

Editors

# Outline

- Emacs

# Editors in Unix

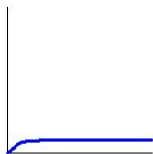
- **emacs** and **vim** are the two standard editors which work via terminal
- We'll use emacs in this course; you're free to use vim if you already know it
- In either editor, getting used to keystrokes takes some time, but these are powerful standard editors, and it's worth the effort

# editors learning curve :)

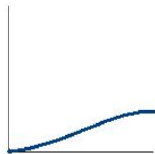
Classical learning curves for some common editors



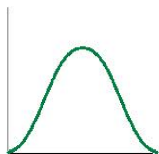
**Notepad**



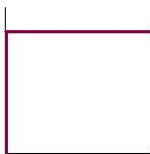
**Pico**



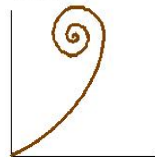
**Visual Studio**



**vi**




**emacs**



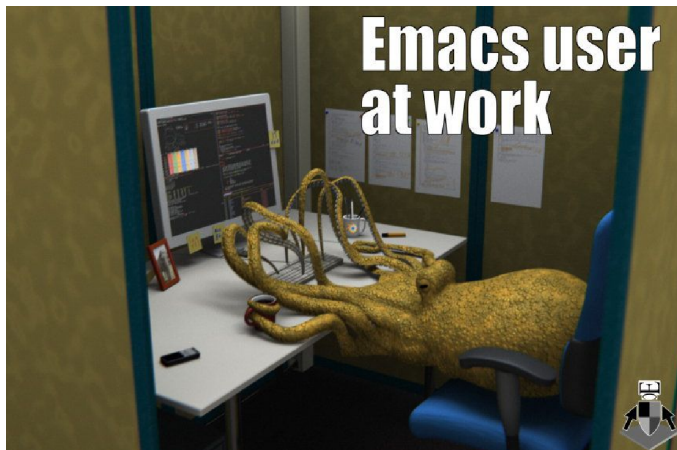
quitting vim!



how to quit 

how to quit **vim**  
how to quit **smoking**  
how to quit **a job**  
how to quit **drinking**  
how to quit **smoking weed**  
how to quit **juuling**  
how to quit **vaping**  
how to quit **sugar**  
how to quit **facebook**  
how to quit **nicotine**

emacs users!



## emacs editor: basic commands

- Ctrl is the control key; Meta is the ESC key
- quit: Ctrl-x Ctrl-c
- save: Ctrl-x Ctrl-s
- save-then-quit: Ctrl-x Ctrl-s then Ctrl-x Ctrl-c
- cursor movement: arrow keys work, but also:
  - Ctrl-a beginning of line
  - Ctrl-e end of line
  - Ctrl-n next line
  - Ctrl-p previous line
  - Ctrl-v next screen
  - Meta-v previous screen
  - Meta-< start of buffer
  - Meta-> end of buffer
- undo: Ctrl-underscore or Ctrl-x u
- cancel command you started typing: Ctrl-g

## emacs editor: basic commands, continued

- kill (delete) rest of line: Ctrl-k
- set (start of) mark: Ctrl-@
- wipe out (kill) region from mark to cursor: Ctrl-w
- copy region from mark to cursor: Meta-w
- yank back what was most recently killed/copied: Ctrl-y
- search forward: Ctrl-s (prompts for string to find)
- query replace: Meta-% (prompts for search string and what to replace with)