

# CPSC 526

## NETWORK SYSTEMS SECURITY

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#7 – ASSIGNMENT #2 – USEFUL STUFF

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# SYS

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- <https://docs.python.org/3/library/sys.html>
  - System-specific parameters and functions
    - `sys.argv` – list of command lines arguments passed to a Python scripts
      - `argv[0]` is the name of the script
    - `sys.platform` – platform identifier
    - `sys.exit()` – terminate python interpreter (if run from main thread) or raises an exception

# SHUTIL

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- <https://docs.python.org/3/library/shutil.html>
  - High-level file operations
    - `shutil.copyfile(src, dst)` – copy the contents of a file from `src` to `dst`
    - `shutil.copy(src, dst)` – copy file or directory from `src` to `dst`
    - `shutil.copy2(src, dst)` – same as `copy` but preserves metadata
    - `shutil.copytree(src, dst)` – recursively copy an entire directory tree
    - `shutil.rmtree(path)` – delete an entire directory tree
    - `shutil.move(src, dst)` – move a file or directory

# OS

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- <https://docs.python.org/3/library/os.html>
  - Operating System Interfaces
    - `os.listdir(path)` – return a list of the names of the entries in the path directory
    - `os.mkdir(path)` – create a directory named path
    - `os.makedirs(name)` – recursive directory creation
    - `os.remove(path)` – delete the file path
    - `os.removedirs(name)` – remove directories recursively
    - `os.rmdir(path)` – delete the directory path of an empty directory

# OS

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- `os.popen(cmd)` – calls an external command
- `os.system(cmd)` – execute the cmd in a subshell
- `os.curdir` – gets the current directory