importlib module

- Imported modules stored in `sys.modules`

  - Both for caching, and for uniformity

- Modules are imported to a "module path"

  - e.g.: `urllib.path`, `sys.path`, `your.module.here`

  - This usually corresponds to relative paths

  - But not always… (*grr* ROS)

importlib module: import_module

- Usually backs the `import` statement

  - Can be changed with `builtins.__import__` (but don't)

- The usual need is to import a module by variable name:

```python
import importlib
module_name = 'foo'
globals()[module_name] = importlib.import_module(module_name)
```

- `import foo` puts `foo` into the (module's) namespace

  - `__import__` and `importlib.import_module` don't