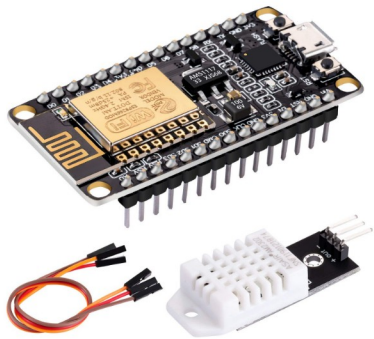


Lesson 1 MQTT Temp & Humidity

Order Parts : Amazon NOW!!!

NodeMCU
DHT22

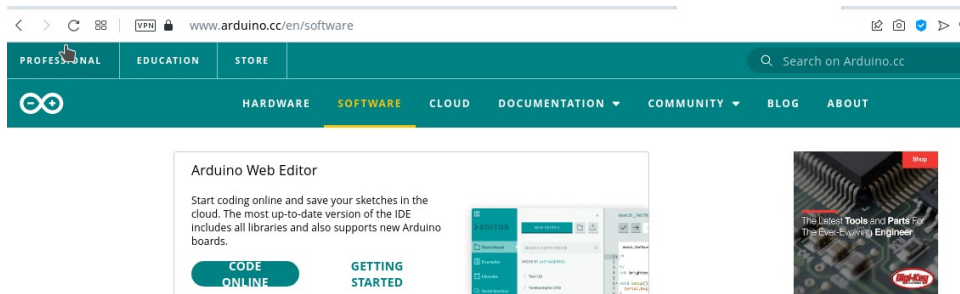


Example from Amazon: referenced on the class web site:


Setup Steps:

Install Arduino software IDE

INSTALL ARDUINO IDE: <http://www.arduino.cc>



Downloads

 **Arduino IDE 1.8.16**

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. This software can be used with any Arduino board.

Refer to the [Getting Started](#) page for Installation instructions.

SOURCE CODE
Active development of the Arduino software is [hosted by GitHub](#). See the instructions for [building the code](#). Latest release source code archives are available [here](#). The archives are PGP-signed so they can be verified using [this](#) gpg key.

DOWNLOAD OPTIONS
Windows Win 7 and newer
Windows ZIP file
Windows app Win 8.1 or 10 [Get it](#)
Linux 32 bits
Linux 64 bits
Linux ARM 32 bits
Linux ARM 64 bits
Mac OS X 10.10 or newer
Release Notes Checksums (sha512)

INSTALL USB DRIVERS - should work by default

CONFIGURE ARDUINO IDE - Install Boards Manager:

Start Arduino and open the Preferences window.

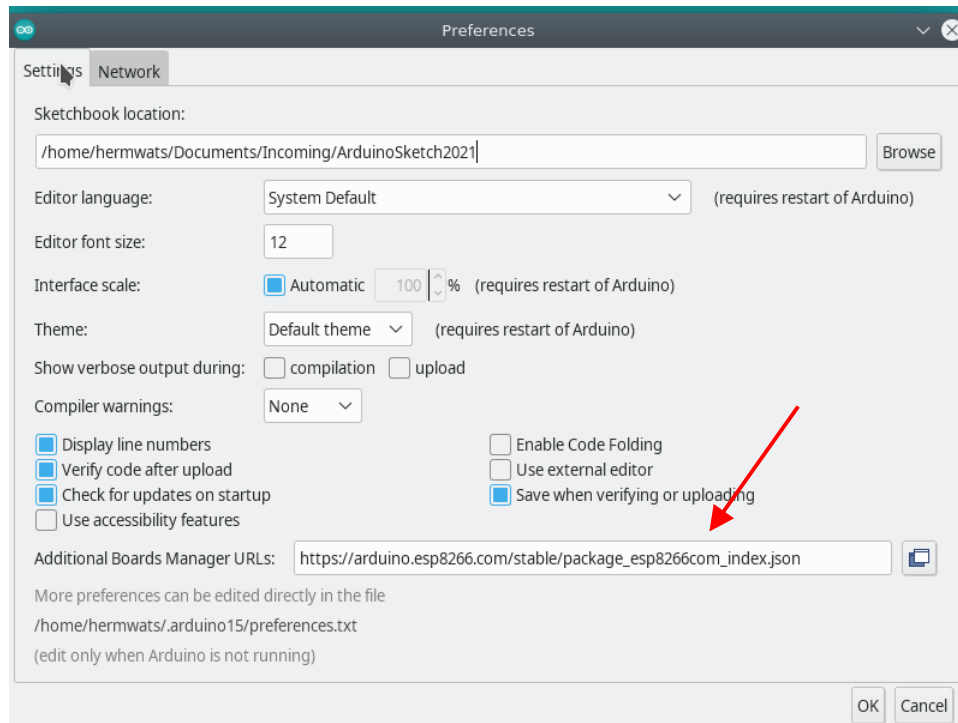
- Enter

https://arduino.esp8266.com/stable/package_esp8266com_index.json

into the

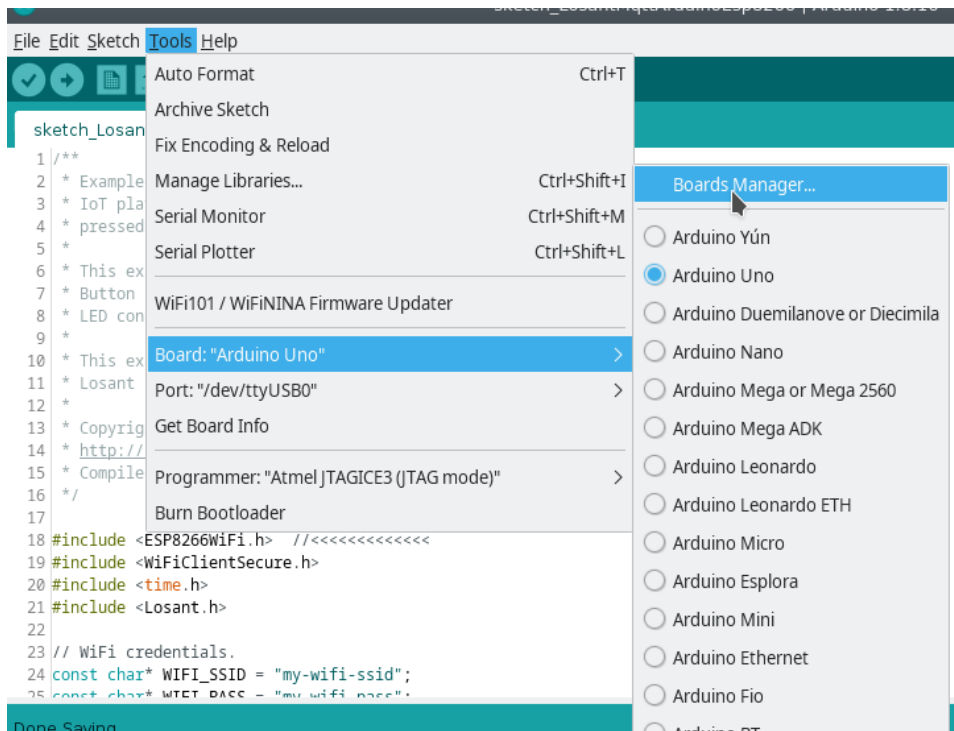
File>Preferences>Additional Boards Manager URLs

field of the Arduino IDE.

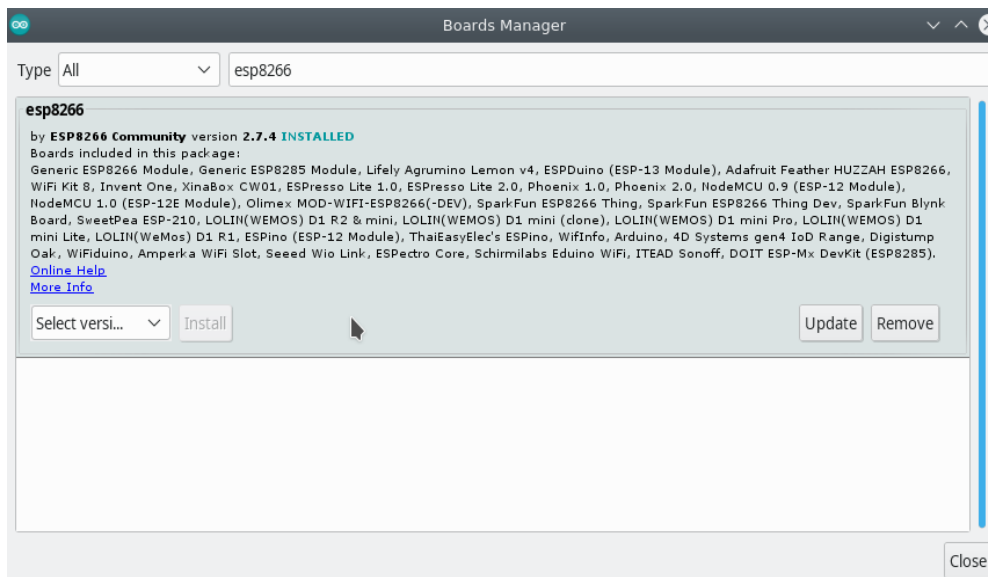


- Open Boards Manager from Tools > Board menu and install esp8266 platform (select your ESP8266 board from Tools > Board menu after installation)- **Version 2.74 <<<**

Lesson One – EEL 4730 Extra Class Project - Updated Fall 2021 V2

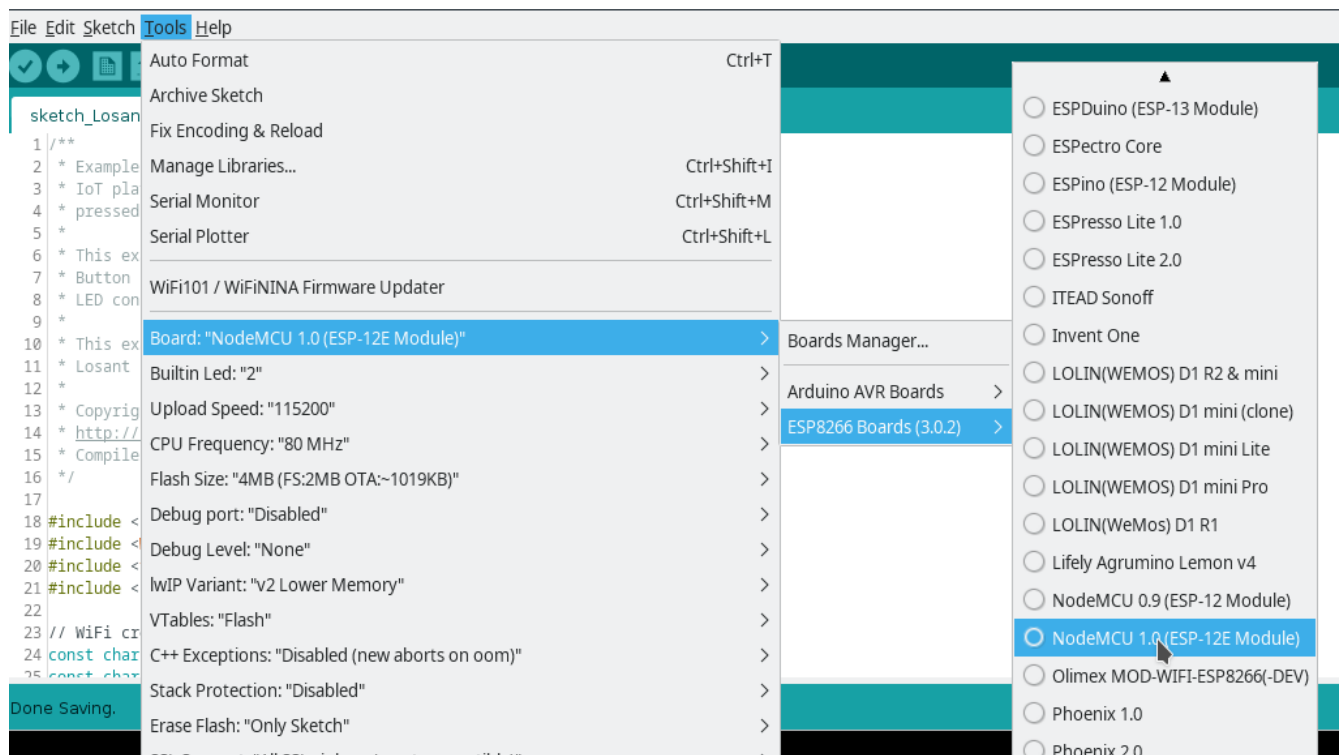


install esp8266 platform !!! NOTE !!! **Install 2.74 version, (not the 3.x versions)**



Select the Tools menu, and Select to “NodeMCU 1.0” Module.
Board settings

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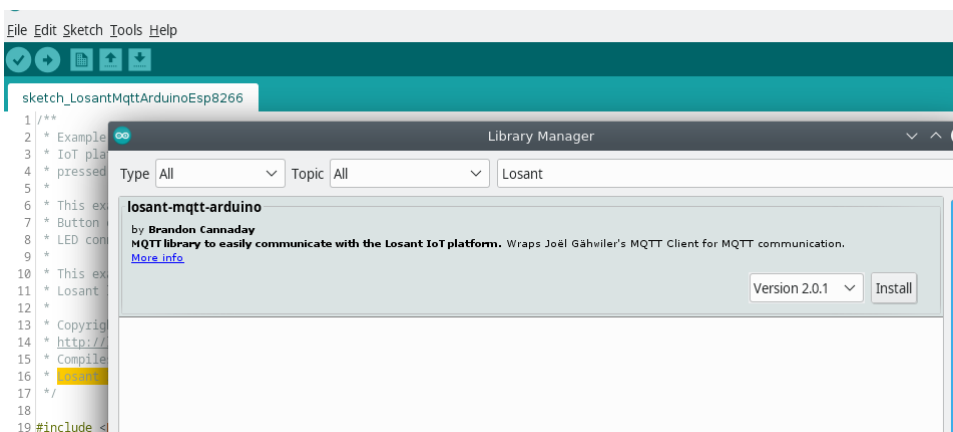


INSTALL LIBRARIES

Losant library page <https://github.com/Losant/losant-mqtt-arduino>

Installing this library should include dependencies

Tools > Manage Libraries - filter for Losant



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