```
#include<ESP8266WiFi.h>
#include<ESP8266mDNS.h>
#include<WiFiUdp.h>
#include<ArduinoOTA.h>
const char* ssid = "ESP_GUEST";
const char* password = "01234567890";
void setup() {
 Serial.begin(115200);
 Serial.println("Booting Basic OTA - 160518");
 WiFi.mode(WIFI_STA);
 WiFi.begin(ssid, password);
 while (WiFi.waitForConnectResult() != WL_CONNECTED) {
  Serial.println("Connection Failed! Rebooting...");
  delay(5000);
  ESP.restart();  }
// Port defaults to 8266
//ArduinoOTA.setPort(8266);
// Hostname defaults to esp8266-[ChipID]
//ArduinoOTA.setHostname("myesp8266");
// No authentication by default
// ArduinoOTA.setPassword((const char *)"123");
 ArduinoOTA.onStart([]() {
  Serial.println("Start");  });
 ArduinoOTA.onEnd([]() {
  Serial.println("\nEnd");  });
 ArduinoOTA.onProgress([](unsigned int progress, unsigned int total) {
  Serial.printf("Progress: %u%%\r", (progress / (total / 100)));  });
 ArduinoOTA.onError([](ota_error_t error) {
  Serial.printf("Error[%u]: ", error);
  if (error == OTA_AUTH_ERROR) Serial.println("Auth Failed");
  else if (error == OTA_BEGIN_ERROR) Serial.println("Begin Failed");
  else if (error == OTA_CONNECT_ERROR) Serial.println("Connect Failed");
  else if (error == OTA_RECEIVE_ERROR) Serial.println("Receive Failed");
  else if (error == OTA_END_ERROR) Serial.println("End Failed");  });
 ArduinoOTA.begin();
 Serial.println("Ready");
 Serial.print("IP address: ");
Serial.println(WiFi.localIP());}
void loop() {  ArduinoOTA.handle();}
```