

Portfolio assignment 7

15 min: Look at the histogram of at least 2 columns with numerical data in the dataset that you chose in portfolio assignment 4. Do you recognise the distribution? Does it look like a uniform or normal distribution or something else? If it doesn't look like a uniform or normal distribution, take a quick look here to see if you can find the distribution shape: <https://www.itl.nist.gov/div898/handbook/eda/section3/eda366.htm> (<https://www.itl.nist.gov/div898/handbook/eda/section3/eda366.htm>).

In [1]:

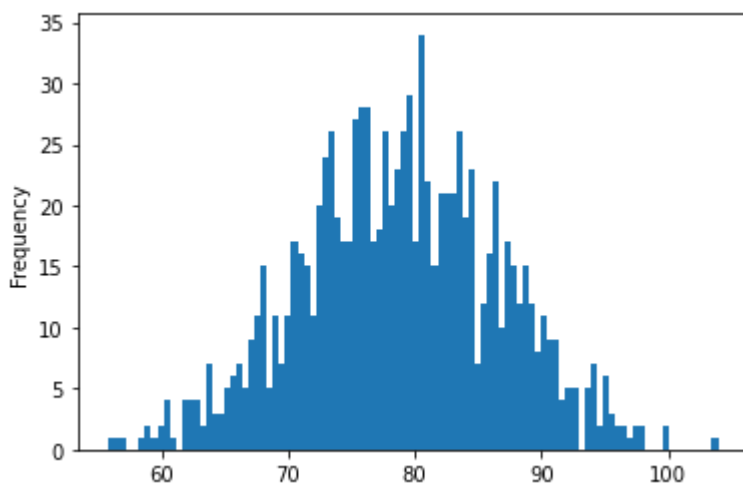
```
import pandas as pd
import numpy as np
```

In [2]:

```
pokemons = pd.read_csv('../Pokemon.csv')
randomAttackStats = pd.Series(np.random.normal(pokemons['Attack'].mean(), 8, 1000) )
randomAttackStats.plot(kind='hist', bins=100)
```

Out[2]:

<AxesSubplot:ylabel='Frequency'>



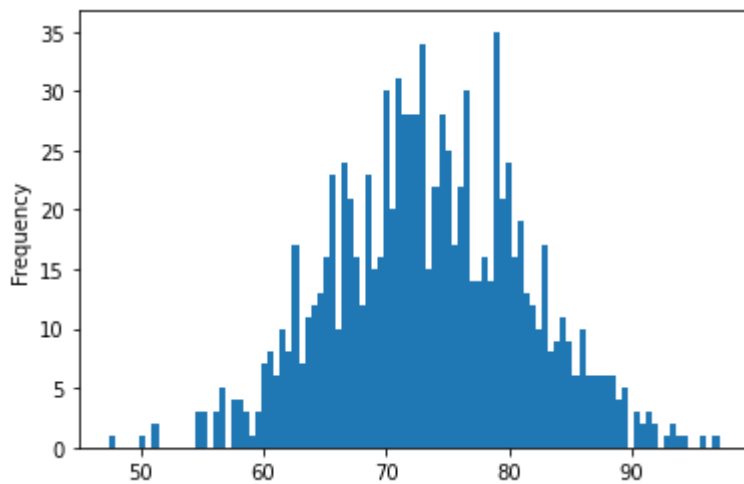
It's a normal distribution

In [3]:

```
randomDefenseStats = pd.Series(np.random.normal(pokemons['Defense'].mean(), 8, 1000) )  
randomDefenseStats.plot(kind='hist', bins=100)  
# It's a normal distribution
```

Out[3]:

<AxesSubplot:ylabel='Frequency'>



It's also a normal distribution