In [40]:
```
import matplotlib.pyplot as plt
plt.style.use('ggplot')
import pandas as pd
data = pd.read_csv('weight-height.csv')
data.head()
```

Out[40]:

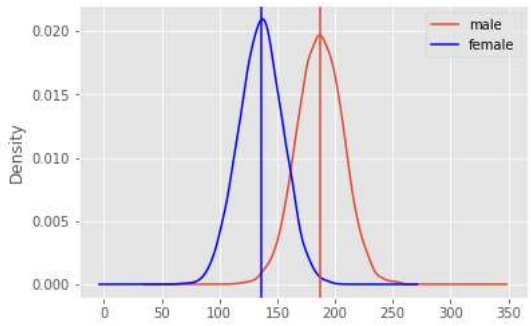
	Gender	Height	Weight
0	Male	73.847017	241.893563
1	Male	68.781904	162.310473
2	Male	74.110105	212.740856
3	Male	71.730978	220.042470
4	Male	69.881796	206.349801

In [46]:
```
male_df =  data.loc[data['Gender'] == 'Male']
female_df =  data.loc[data['Gender'] == 'Female']
print(male_df.Height.mean(), female_df.Height.mean())
print(male_df.Weight.mean(), female_df.Weight.mean())
```

```
69.02634590621737 63.708773603424916
187.0206206581929 135.8600930074687
```

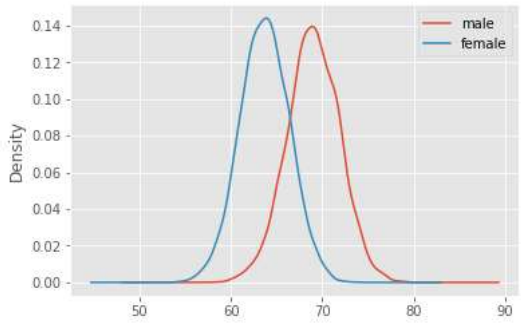
In [53]:
```
male_df.Weight.plot.kde(label = 'male')
female_df.Weight.plot.kde(label = 'female', color = 'b')
plt.axvline(187.02)
plt.axvline(135.86, color = 'b')

plt.legend()
```

Out[53]: <matplotlib.legend.Legend at 0x1a213aa0f0>



In [43]:
```
male_df.Height.plot.kde(label = 'male')
female_df.Height.plot.kde(label = 'female')
plt.legend()
```

Out[43]: <matplotlib.legend.Legend at 0x1a1fd486d8>



In [16]:
```
x = list(data['Height'].groupby(data['Gender']))
```

In [23]:
```
female = x[0]
male = x[1]
new = pd.DataFrame([female, male])
```

In [24]:
```
new.head()
```

Out[24]:

	0	1
0	Female	2 185 3 195 9 169 11 159 12...
1	Male	0 174 1 189 4 149 5 189 6 ...

In [ ]:
```

```