```python
# VTOL Parameter File
import sys
sys.path.append('..')  # add parent directory
import VTOLParam as P
from control import tf, bode
import matplotlib.pyplot as plt

# Compute open-loop transfer functions
P_lon = tf(1/(P.mc+2*P.mr), [1, 0, 0])
P_lat_in = tf(1/(P.Jc+2*P.mr*P.d**2), [1, 0, 0])
P_lat_out = tf(-P.Fe/(P.mc+2*P.mr), [1, P.mu/(P.mc+2*P.mr), 0])

# Plot the closed loop and open loop bode plots for the inner loop
fig1 = plt.figure()
bode(P_lon, dB=False)
fig1.axes[0].set_title('$P(s)$ for longitudinal dynamics')

fig2 = plt.figure()
bode(P_lat_in, dB=False)
fig2.axes[0].set_title('$P_{in}(s)$ for lateral dynamics')

fig3 = plt.figure()
bode(P_lat_out, dB=False)
fig3.axes[0].set_title('$P_{out}(s)$ for lateral dynamics')

print('Close window to end program')
plt.show()
```