Errata:

《An Introduction to Stochastic Dynamics》 Cambridge University Press, 2015

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P30, line 2: \langle EX \rangle | ... \rangle p
P30, bottom: p, q>1, 1/p+1/q=1
P31, line 5: sigma >0,
P31, line 18: M^k(0)
P36, lines 19, 20,23, 24, 27: B(0, T) \times F, (0, T) \times \Omega, ...
P36, lines 20, F changes toB(0, T); B(0, T) changes to F
P51, line -5: Move 1/Delta t to the left side
P55, line 11: delete extra \int 0^\infty
P65, line 15: Missing subscript i in \tau i
P79, first sentence in Example 4.13): X^2 \rightarrow X t^2
P86, at the end of (4.82): Delete the extra)
P88, line -3: R^n
P89, line 1 and line 3(twice): R^n; line 3: second term in the right hand side--- should be double bar
||...||
P113, line 4: ridges → ridge
P116, line4: X_t \rightarrow X(t)
P123, lines under (5.81) and (5.82) : should be R^n
P126, Example 5.22: change W t to B t
P129, Problem 5.1: change W_t to B_t, and change W_s to B_s
P130, Problem 5.3: linear -> nonlinear
P131, Problem 5.9: D=(1, 2)
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P131, Problem 5.8: change W_t to B_t
P135, eqn (6.3): phi 0(x \ 0)=x \ 0
P137, line 2: should be (6.6)
P153, line 2: should be (t, \omega)
P156, line -3: B_tau(omega)
P158, line 16: m→k
P159, eqn (6.62): should be B s(omega)
P160, eqn(6.67) top: should be x^2; eqn (6.68) inside parenthesis but before the integral sign: missing
"2".
P172, line 19: F \rightarrow F(t)
P175, line 7: \xi_t should be \xi
P179, eqns (6.125): should be (omega, x^s)
  Left hand side of Eqn (6.126): (omega, x^s)
  Right hand side of eqn (6.127): (omega, x^u)
  Left hand side of eqn (6.128): (omega, x^u)
P192, at the end of line -8, add: Recall that L_t has a cadlag modification on Omega_0 and
P(Omega_0)=1 (see Applebaum p 88)
P198 (i) and (iii):\sigma should be \sigma^{\alpha} (see David Applebaum book p 35)
In mathematical expressions the sign function is often represented as "sgn".
P199 line -4: 2\sigma^2 should be \sigma^2
P200 line 4: 2\sigma^2should be \sigma^2
P202, eqn (7.21): (2k)! \rightarrow 2 k!
P203, line 10: missing c_alpha in three places
P209, lines -11 and -12: missing c_alpha in three places
P211, eqn(7.39): no constant C in the characteristic function.
P212, Figs 7.10-12: C → c
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P215, eqns (7.54), (7.55) and (7.56): g \rightarrow g(t, omega)
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P220, eqn (7.67): the last term of integral, should be
$$y = (7.67)$$
: the last term of integral, should be $y = (7.67)$:

P221,line -5: [145,Lemma 17.21,p328]

P236, line -11: x>-0.5

P236, line -12: $P(x) \rightarrow p(x)$

P237, Fig 7.29: $P(X) \rightarrow p(x)$

P238, line -6: \phi → v

P239, eqn (7.107): \phi → v

P239, right hand side of eqn (7.109): $p(x) \rightarrow p(x, t)$

P239, line -4: In the first term of the right hand side, delete extra ")"