Errata

A Short Course in Intermediate Microeconomics With Calculus

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• p. 18. 1st paragraph in section 2.5. Change $-\Delta x_1/\Delta x_2$ to $-\Delta x_2/\Delta x_1$.

• Chapter 2: Add “order-preserving transformation” to subject index.

• p. 31. Third line. Change $M_1/(1+i)$ to $M_2/(1+i)$.

• In the solution to Exercise 3.6: In the text, $M_1 = 100$ and $M_2 = 100$. Solutions originally had $M_2 = 150$, and this might be assumed in a graph. Solution was changed to $M_2 = 100$. However graph not modified yet.

• p. 84. Exercise 5.1: Note that this problem assumes that $T = 24$.

• Chapter 6, Appendix: Samuelson’s date of birth is 1915, not 1950.

• p. 117. Exercise 7.6. The utility function is shown as $u(x,y) = 10x + \frac{1}{3}x^3 + y$. It should be changed to $u(x,y) = 10x - \frac{1}{3}x^3 + y$. This is now noted in the solutions.
Errata

- Chapter 8, exercises 3 and 4: get rid of the assumption $x \geq 1$ and modify solutions accordingly.

- Chapter 11, error in solution to Exercise 6(d): the solution says the long-run market supply curve is infinitely elastic at $p = 30$, and the 30 should be 115 after a per-unit tax of 5 dollars is imposed. (The original supply is horizontal with $p = 110$).

- Chapter 13, Exercise 4, part (b) is incorrect: the point identified in the solution is a local minimum, so we should rewrite the question to ask why the joint profit maximization makes no sense, as the firms could price one good infinitely high and sell nothing in one market.

- p. 322. Exercise 17.1, part (c). Delete. (There is no maximum for total utility.) The use of the first order condition leads to minimum of summed utilities, rather than a maximum.

- p. 324. Exercise 17.6. After the second sentence, insert the following sentence: “The total pollution level had been at 60.” In the next to last sentence, change “pollution produced” to “pollution abated.”

- Chapter 18. Public goods are now defined as *nonexclusive* in use. Add a discussion of *nonrival* in use.

- p. 343. Exercise 18.1(a). Change to “What condition or conditions must hold...”
• p. 344. Exercise 18.2. Change the utility function $u_i = \sqrt{x_i y_i}$ to $u_i = \sqrt{x_i} + y_i$. Similarly, change the utility function $u_i = \sqrt{xy_i}$ to $u_i = \sqrt{x} + y_i$. Also, change the wording of the solution, because of the reference to the Samuelson optimality condition. The SOC leans on quasilinearity, which we don’t have in this problem.