

## Errata in / Updates to the 2012 edition of MATHEMATICAL ANALYSIS

Page	Location	Error / Update
82	Interchange Exercises 4 and 5	
125	Line 2	Replace " $n = 1, 2, \dots$ " by " $n = 2, 3, \dots$ ".
	Formula (5)	Replace " $n = 1, 2, \dots$ " by " $n = 2, 3, \dots$ ".
136	Box "Combination Rules...", line -1	Replace " $f(c) \neq 0$ " by " $g(c) \neq 0$ ".
138	Box "Combination Rules...", line -1	Replace " $f(c) \neq 0$ " by " $g(c) \neq 0$ ".
147	Theorem 4, line 3	Replace "all the zeros" by "all the real zeros".
149	Box "Corollary 1 ...", line 3	Replace "the closed interval" by "a closed interval".
		Replace "exist" by "exists".
165	Exercise 8 on Section 4.1	Move to Page 204, as Exercise 4 on Section 5.4.
166	Exercise 5, line 4	Replace " $a_n \neq 0$ " by " $a_n > 0$ ".
184	New margin note opposite the figure	Insert the following margin note: "This graph is often called the <b>sequence diagram</b> for $\{a_n\}$ ."
229	Opposite the box for Theorem 1	Insert a new margin note: "A point $c$ such that $f'(c) = 0$ is called a <b>stationary point</b> of $f$ ."
230	Problem 1	Replace " $x \in [-1, 2]$ " by " $x \in (-1, 2)$ ".
252	Section 6.1, Exercise 1 (c)	Replace " $x \geq \frac{1}{3}\pi$ " by " $\frac{1}{3}\pi \leq x < \frac{1}{2}\pi$ ".
311	Section 7.2, Exercise 6	Move this to Page 313, as Exercise 10 for Section 7.4.
329	New margin note, alongside the line starting "numbers $x$ for which", 3 lines above the box for Theorem 1	Insert the following margin note: "More generally, any series of the form $\sum_{n=N}^{\infty} a_n x^n$ , for any $n \in \mathbb{N}$ , is called a <b>power series</b> in $x$ <b>about</b> $a$ ."
353	Margin note	Delete this margin note.