

Recommended Supplementary Books

104003 Differential and Integral Calculus I
Technion International School of Engineering 2010-11

Looking for some other books to help you understand calculus? Below are some suggestions. All are less "theory-based" than the official Spivak textbook, and more practically-oriented.

[The links are to the Technion library system's listing for these texts.]

Calculus with Analytic Geometry by Edwards & Penney

A well-ordered textbook with lots of examples and pictures and explanations.

http://aleph2.technion.ac.il/F/9KQG7LAHV84C3TGSE5V17DVXUCXIMH7873DHEHUFLMD4TCVD2N-71780?func=short-0&set_number=002022

Mistaeks... and How to Find Them Before the Teacher Does by Barry Cipra

This is a slim, fun book about common misconceptions and problems in calculus. It's not a "textbook" per say, but is a fun and helpful complement to studying calculus.

http://aleph2.technion.ac.il/F/9KQG7LAHV84C3TGSE5V17DVXUCXIMH7873DHEHUFLMD4TCVD2N-65576?func=find-acc&acc_sequence=000668352

Mathematical Handbook of Formulas and Tables by Schaum's Outlines

This has an excellent ~50 page summary of the major "things to memorize / look up in a table" items in calculus: tables of famous derivatives, integrals, important transformations. It also has a ten page summary of sequences and series. The rest of the book is not so applicable to the course, though it's extremely helpful for other math and physics/engineering courses. :) No practice problems, just tables of formulas.

http://aleph2.technion.ac.il/F/9KQG7LAHV84C3TGSE5V17DVXUCXIMH7873DHEHUFLMD4TCVD2N-72991?func=find-b&find_code=WRD&request=schaum+tables&local_base=TEC01&adjacent=N

(Really, anything by Schaum's Outlines is good! Try the outline for calculus, or calculus problems.)