

1. Record Nr.	UNINA9910783127303321
Autore	Tourlakis George J.
Titolo	Lectures in logic and set theory . Volume 1 Mathematical logic // George Tourlakis [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2003
ISBN	1-107-12856-0 1-280-41776-5 9786610417766 1-139-14853-2 0-511-18060-8 0-511-06658-9 0-511-06027-0 0-511-30759-4 0-511-61555-8 0-511-06871-9
Descrizione fisica	1 online resource (xi, 328 pages) : digital, PDF file(s)
Collana	Cambridge studies in advanced mathematics ; ; 82
Disciplina	511.3
Soggetti	Logic, Symbolic and mathematical Set theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Cover; Half-title; Series-title; Title; Copyright; Contents; Preface; I Basic Logic; II The Second Incompleteness Theorem; Bibliography; List of Symbols; Index
Sommario/riassunto	This two-volume work bridges the gap between introductory expositions of logic or set theory on one hand, and the research literature on the other. It can be used as a text in an advanced undergraduate or beginning graduate course in mathematics, computer science, or philosophy. The volumes are written in a user-friendly conversational lecture style that makes them equally effective for self-study or class use. Volume 1 includes formal proof techniques, a section on applications of compactness (including nonstandard analysis), a generous dose of computability and its relation to the

incompleteness phenomenon, and the first presentation of a complete proof of Godel's 2nd incompleteness since Hilbert and Bernay's Grundlagen theorem.

---