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★ **A course in error-correcting codes.**

EMS Textbooks in Mathematics.

European Mathematical Society (EMS), Zürich, 2004. x+194 pp. €39.50.
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This book provides an introduction to several topics in coding theory, from the point of view of both theory and applications, with an emphasis on algorithmic (and programming) aspects. The text is essentially self-contained, which makes it possible for one to read it with a very basic background (it is typically aimed at third- or fourth-year students—and can be used for a course at that level). Each of the 14 chapters of these lecture notes comes with a list of problems for which a solution is given at the end of the book.

Note that this is the first volume of the new collection EMS Textbooks in Mathematics.

Alain Plagne