

Additional Sources

The list of additional sources below is *not* comprehensive, so feel free to look for more.

1. *The Thirteen Books of the Elements*, Euclid. Translated with introduction and commentary by Sir Thomas L. Heath.
Reprinted by Dover Publications, Inc., New York. Vol 1, ISBN 0-486-60088-2; Vol. 2, ISBN 0-486-60089-0; Vol. 3, ISBN 0-486-60090-4.
2. *Euclid's Elements*, David E. Joyce
<http://aleph0.clarku.edu/~djoyce/java/elements/toc.htm>
A very nice online edition of Euclid.
3. *Euclid's Elements in Greek*, Richard Fitzpatrick
<http://farside.ph.utexas.edu/euclid.html>
The first nine (of thirteen) “books” of the *Elements* in the original Greek with an English translation on the facing pages, downloadable in pdf format.
4. *Foundations of Geometry*, David Hilbert. (Translated by E.J. Townsend.)
Reprint Edition, The Open Court Publishing Company, La Salle, Illinois.
Freely available for download in pdf format from Project Gutenberg at:
<http://www.gutenberg.org/etext/17384> .
5. *Non-Euclidean Geometry*, Roberto Bonola. (Translated by H.S. Carslaw.)
Reprinted by Dover Publications, Inc., New York. ISBN 0-486-60027-0
This book gives a historical development of non-Euclidean geometry and includes translations of Bolyai's *The Science of Absolute Space* and Lobachevski's *The Theory of Parallels*.
6. *Noneuclidean Geometry*, Herbert Meschkowski. (Translated by A. Shenitzer.)
Academic Press, New York and London, 1964.
Your instructor likes to crib from this one . . .
7. *Projective Planes*, D.R. Hughes and F.C. Piper.
Graduate Texts in Mathematics 6, Springer-Verlag, New York, 1973, ISBN 0-387-90044-6.
Note: This is a very good book, but is intended for readers that are pretty mathematically sophisticated. In particular, you will really need to know a fair bit of abstract algebra to get the most out of it.
8. *Wikipedia*, <http://wikipedia.org/>
This is a pretty good place to start if you're looking online for information about mathematics. A few articles of general interest for this course are:
Euclidean geometry, http://en.wikipedia.org/wiki/Euclidean_geometry
Non-Euclidean geometry, http://en.wikipedia.org/wiki/Non-Euclidean_geometry
Projective geometry, http://en.wikipedia.org/wiki/Projective_geometry
There are many specialized articles in *Wikipedia* that may be of interest: search and browse!