

*St John's College Graduate Institute*

**MATHEMATICS AND NATURAL SCIENCE TUTORIAL READING LIST–  
FALL**

Monday and Thursday, 5:00 – 6:15 p.m.

*The reading assignment for the first tutorial should be completed before the first class meeting.*

**First assignment:** Euclid, *Elements* Book I, “Definitions, Postulates, Common Notions” **only**.  
Other daily assignments will be made by the tutor.

Weeks One through Eight - 16 meetings

Euclid, *Elements* Book I

Weeks Nine through Sixteen - 16 meetings

Lobachevski, *The Theory of Parallels*, selections (photocopy in Bookstore or in final appendix of Bonola, *Non-Euclidean Geometry*, Dover Publications)

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*St John's College Graduate Institute*

**MATHEMATICS AND NATURAL SCIENCE SEMINAR READING LIST –  
FALL**

Monday and Thursday, 7:30 – 9:30 p.m.

*The reading assignment for the first seminar should be completed before the first class meeting.*

Week One

1. Lucretius, *On the Nature of Things* Books I, II, III to line 580
2. *On the Nature of Things* Books III to end, IV, V (lines 1-235, 771 to end), VI (lines 1-95, 1090 to end)

Week Two

3. Plato, *Timaeus* to 58c.  
Ptolemy, “The System of the World” (photocopy available in bookstore)
4. Aristotle, *Physics* Book I 184a9-184b14, 189b30-192b7; Book II 192b8-195b30

Week Three

5. *Physics*, Book II 195b31-200b11; Book III 200b12-202b29
6. *Physics*, Book III 202b30-208a25; Book IV 208a28-213a10

Week Four

7. *Physics*, Book IV 213a11-224a17
8. *Physics*, Book VIII 250b11-260a19, 265a13-267b27

Week Five

9. Ptolemy, *Almagest* Book I, 1-8; Book III, 3 (first page only of III, 3, up to and including the figures for the two hypotheses). There are many copies of Ptolemy available in Meem Library, as well as in the bookstore.
10. Galileo, *Dialogue on the Two Chief World Systems*, “Author’s Dedication,” “To the Reader,” “The First Day,” through page 68 in the University of California edition, through pg. 78 in the Modern Library edition.

Week Six

11. *Two Chief World Systems*, “The First Day” and “The Second Day,” (University of California) pg. 68-131, (Modern Library) pg. 78-top of 153.
12. *Two Chief World Systems*, “The Second Day,” (University of California) pg. 131-188, (Modern Library) pg. 153-top of 219.

Week Seven

13. Darwin, *Origin of Species*, First edition; historical sketch, introduction and chapters I-III (Penguin edition only)
14. *Origin of Species*, chapters IV, XIV

Week Eight

15. Freud, “Note on a Case of Obsessional Neurosis [the Rat Man]” in *Three Case Histories*
16. Freud, “A Note on the Unconscious in Psychoanalysis,” “On Narcissism: An Introduction” and “Mourning and Melancholia” in *General Psychological Theory*

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