



MATH & NATURAL SCIENCE SEMINAR READING LIST – SUMMER
Monday-Friday, 1:30-3:30 p.m. (alternating with preceptorial)

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

WEEK ONE

1. Lucretius: *On the Nature of Things*, Book I; II; III 1 – 580
2. *On the Nature of Things*, Book III 581 – end; IV; V 1 – 235, 771 – end; VI 1 – 95, 1090 – end
3. Plato: *Timaeus*, to 58c
Ptolemy: “The System of the World” (Photocopies are available in the bookstore.)

WEEK TWO

4. Aristotle: *Physics*, Book I 184a9 – 184b14, 189b30 – 192b7; II 192b8 – 195b30
5. *Physics*, Book II 195b31 – 200b11; III 200b12 – 202b29

WEEK THREE

6. *Physics*, Book III 202b30 – 208a25; IV 208a28 – 213a10
7. *Physics*, Book IV 213a11 – 224a17
8. *Physics*, Book VIII 250b11 – 260a19, 265a13 – 267b27

WEEK FOUR

9. Ptolemy: *Almagest*, Book I 1 – 8; Book III 3 (up to and including two hypotheses figures)
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 page 78 in the Modern Library edition)

WEEK FIVE

11. *Dialogue on the Two Chief World Systems*, “The First Day” & “The Second Day”
(University of California pages 68 – 131, Modern Library pages 78 – top of 153)
12. *Dialogue on the Two Chief World Systems*, “The Second Day”
(University of California pages 131 – 188, Modern Library pages 153 – top of 219)
13. Darwin: *On the Origin of Species*, “An Historical Sketch,” Introduction, and Chapters I III
(Make sure the edition you acquire uses the text of Darwin’s First Edition, ie. the Penguin.)

WEEK SIX

14. *On the Origin of Species*, Chapters IV & XIV
15. Freud: “A Note on the Unconscious in Psychoanalysis,” “On Narcissism: An Introduction” & “Mourning and Melancholia” in *General Psychological Theory*.



ST JOHN'S
College
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Mathematics
Natural Science &

MATH & NATURAL SCIENCE TUTORIAL READING LIST – SUMMER

Monday, Tuesday, Thursday, Friday 10:30am – 12:00 Noon

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

FIRST ASSIGNMENT: Euclid's *Elements*, Book I: Definitions, Postulates, and Common Notions
(Future daily assignments will be made by the tutor.)

WEEKS ONE-THREE (12 MEETINGS)

Euclid: *Elements*, Book I

WEEKS FOUR-SIX (12 MEETINGS)

Lobachevski: *The Theory of Parallels*, selections
(Photocopies are available from the bookstore; it is also included in final appendix of Bonola's *Non-Euclidean Geometry*, Dover.)