



ST JOHN'S
College
GRADUATE INSTITUTE

Mathematics Natural Science &

MATH & NATURAL SCIENCE SEMINAR READING LIST – FALL /SPRING

Monday and Thursday 7:30 – 9:30 PM

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

WEEK TWO

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

WEEK THREE

5. *Physics*, Book II 195b31 – 200b11; III 200b12 – 202b29
6. *Physics*, Book III 202b30 – 208a25; 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 (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 SIX

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)

WEEK SEVEN

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, e.g. the Penguin.)
14. *On the 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” & “Mourning and Melancholia” in *General Psychological Theory*



ST JOHN'S
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Mathematics Natural Science &

MATH & NATURAL SCIENCE TUTORIAL READING LIST – FALL / SPRING

Monday and Thursday 5:00 – 6:15 PM

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-EIGHT (16 MEETINGS)

Euclid: *Elements*, Book I

WEEKS NINE-SIXTEEN (16 MEETINGS)

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