

History of Science

BSE Summer Program

Professor Tal Golan

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Week 1 (July 1-4) 17th Century and before

Meeting 1 Introduction: What is the History of science History of?

Meeting 2 The Origins of Western Science

Meeting 3 The Scientific Revolution

Meeting 4: Newton

Week 2 (July 8-11) 18th Century Part I

Meeting 5 The Newtonian Synthesis

Meeting 6 Enlightened science

Meeting 7 The Scientific Method

Meeting 8 Chemistry

Week 3 (July 15-18) 18th Century Part II

Meeting 9 The Science of Life

Meeting 10 The Science of Man

Meeting 11 The Industrial Revolution

Meeting 12 Mid Term exam

Week 4 (July 22-25) 19th Century Part I

Meeting 13 Physics - The Mechanical Synthesis

Meeting 14 Physics - Thermodynamics

Meeting 15 Evolution

Meeting 16 Darwin and Darwinism

Week 5: (July 29 – Aug 1) 19th Century Part II

Meeting 17 Biological Racism

Meeting 18 Psychology - the Science of the Soul

Meeting 19 Medicine and Public Health

Meeting 20 Fin-De-Siecle science – Growing Uncertainties

Aug 2 – Final Test

* All Required readings will be included in the course reader.

Grading

- Mid-term exam 50%
- Final exam 50%