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%