

**V. Modified Course Schedule (March. 7):**

<b>Week 1</b> (Jan 22, 24)	<b>Introduction</b> Theme: Feasibility of demarcation criteria. Background Reading: Hines, Chap. 1. Schick & Vaugh, Chap. 1; pp. 159-182; and pp. 252-257 (the "SEARCH" formula).
Tues, Thurs:	Lecture: Confirmation and Disconfirmation
<b>Week 2</b> (Jan 29, 31)	<b>N-rays, Life on Mars, and Numerology</b> Themes: Perceptions, patterns and evidence. Reading: Hines, Chap. 1 . Schick & Vaugh, pp. 38-43.
Tues:	Lecture: N-Rays
Thurs:	Life on Mars: Phil Gold Numerology: Henri Pegeron
<b>Week 3</b> (Feb 5, 7)	<b>UFO's: Sightings and Cover-ups</b> Theme: Personal experience vs. evidence, part I: perception. Reading: Hines, Chap. 7. Schick & Vaugh, Chap. 3.
Tues:	Video: "UFO's: Are We Alone?"
Thurs:	Sightings: Ralph Marcellus
<b>Week 4</b> (Feb 12, 14)	<b>UFO's: Abductions</b> Theme: Personal experience vs. evidence, part II: repressed memories. Readings: Hines, Chap. 8 Schick & Vaugh, pp. 264-276.
Tues:	Area 51/Roswell: Frank Scandariato Lecture: Scientific Explanations
Thurs:	UFO Sightings: Tony Cheng Alien Abductions: Ilya Abramsky Lecture: Scientific Explanations
<b>Week 5</b> (Feb 19, 21)	<b>Dinosaur Extinctions</b> Theme: Theory change in science: Revolutions, paradigms and all that. Reading: <i>The Nemesis Affair</i> , D. Raup Read: Chaps 1, 2, 9, 12. Skim: Chaps 3-8, 10, 11.
Tues:	<b>NO CLASS</b>
Thurs:	The Nemesis theory: Tuckman Lau Lecture: Scientific Change
<b>Week 6</b> (Feb 26, 28)	<b>Astrology and Mystical Experiences</b> Themes: Knowledge and its acquisition, fallacies of reasoning. Reading: Hines, pp. 141-156. Schick & Vaugh, Chap. 5
Tues:	Lecture: Knowledge and Skepticism
Thurs:	Astrology: Phillip Chan Hebrew Mystics: Jack Dweck
<b>Week 7</b> (March 5, 7)	<b>Ancient Astronauts, the Bermuda Triangle, and Cosmic Collisions</b> Themes: Bad science vs. pseudoscience. Readings: Hines, Chap. 9. Schick & Vaugh, pp. 266-267
Tues:	Ancient Astronauts 1: Chen Cheung Velikovsky: Tatyana Portnaya Video: "Alien Autopsy"
Thurs:	Ancient Astronauts 2: Eugene Smolenskiy Intelligent Life in the Universe: Julio Micheli The Bermuda Triangle: John Kotsias
<b>Week 8</b> (March 12, 14)	<b>Types of Reasoning</b> Theme: Deductive vs. inductive reasoning Reading: Schick & Vaugh, Chap 6
Tues:	Lecture: Inductive Arguments and Fallacies
Thurs:	<b>MIDTERM</b>

- Week 9**                    **Creationism**  
 (March 19, 21)            Themes: Demarcation, case-by-case studies, fallacies of reasoning.  
 Reading:                    *Evolution and the Myth of Creationism*, Berra  
                                       Read: Chaps 2, 3, 5; Skim: Chaps 1, 4.  
                                       Read: Schick & Vaugh, pp. 182-193.  
 Tues:                        Lecture: Inductive Arguments and Fallacies  
 Thurs:                      Creationism and the Courts: Stanley Thomas  
                                       Evolution: Rachel De La Torre  
                                       Creationism and the Fossil Record: Zhen Yu Wu  
                                       Creationism and the Age of the Earth: George Kwong
- Week 10**                    **SPRING BREAK**  
 (March 26, 28)
- Week 11**                    **Psychic Phenomena**  
 (April 2, 4)                Themes: Personal experience vs. evidence.  
 Reading:                    Hines, Chapters 2 & 4  
 Tues:                        ESP: Roger Siu  
                                       Ghosts: James Bergen-Yudelowitz  
                                       Near-Death/Out-of-Body Experiences: Dian Sentino  
 Thurs:                      Video: "Secrets of the Psychics"
- Week 12**                    **Intelligence, I. Q. and Heredity**  
 (April 9, 11)              Themes: Establishing phenomena vs. explaining them; scientific fraud (Cyril Burt); science and public policy.  
 Reading:                    *The Intelligence Men*, Fancher  
 Tues:                        Lecture: Cyril Burt and Scientific Fraud  
 Thurs:                      Intelligence Testing: Kettly Joseph  
                                       Nature vs. Nurture: John Francis
- Week 13**                    **Alternative Medicine**  
 (April 16, 18)             Themes: Experimentation in science; the placebo effect; types of studies in medical research.  
 Reading:                    Hines Chap. 10 & 11.  
                                       Schick & Vaugh, Chap. 8.  
 Tues:                        Lecture: Mills Methods and Clinical Studies  
 Thurs:                      Meditation, Chakra System, etc.: Jeanne Angel
- Week 14**                    **Alternative Medicine, cont.**  
 (April 23, 25)             Tues:                        Herbal Remedies: O'Neil Harford  
                                       Smart Drugs: Joseph Malek  
                                       Acupuncture: John Pham  
 Thurs:                      Faith Healing: Chun Tong
- Week 15**                    **Cold Fusion, Global Warming amd BigFoot**  
 (Apr 30, May 2)            Themes: Good science vs. bad science; science and public policy.  
 Reading:                    hand-outs.  
 Tues:                        Cold Fusion: Jason Klotzer  
                                       Global Warming: Wang Fai Lam  
                                       Cryptozoology: Allison Shishko  
 Thurs:                      Video: "What's Up With the Weather?"
- Week 16**                    **Final (Date to be announced by Registrar)**

School Closed--Martin Luther King Jr. holiday  
 Classes Begin  
 Deadline for BS,MS,PhD Spring graduate applications  
 No Classes -- Spring Break  
 Last day to withdraw from course with a "W" grade  
 Classes End  
 Reading days  
 Final exams

Mon, Jan 21  
 Tues, Jan 22  
 Thurs, Jan 31  
 Mon-Fri, Mar 25-29  
 Tues, Apr 2  
 Tues, Apr 30  
 Wed-Fri, May 1-3

Mon - Wed, May 6-15