

Physics 239, Typical Syllabus for a May Term

Textbooks:

Naomi Shohno, **THE LEGACY OF HIROSHIMA: ITS PAST, OUR FUTURE**

James Warf, **ALL THINGS NUCLEAR** (Selected Chapters)

Keiji Nakazawa, **BAREFOOT GEN** (Library Reserve)

The Oxford Book of Japanese Short Stories (Selected readings)

also, Selected Readings (SR), and **Physics Notes**. (Supplied in class.)

First: 1. Understand what happened at Hiroshima and Nagasaki. 2. Learn how we have
Goals this arrived at our present situation. 3. Understand the physical effects of nuclear
week: weapons. 4. Try to comprehend what nuclear war would mean. 5. Begin our
study of physics: The four forces of nature, concepts of energy, conservation laws,
atomic and nuclear physics.

So read: **SR:** through *Gook Syndrome* and *Numbed Warfare*
Shohno: Chs: 1-4 **Warf:** Chs: 1-3
Barefoot Gen, Vol. 1, on library reserve

AV : *Hiroshima Survivors Recollect* *Hiroshima* (nominated 2 Primetime Emmys)
materials: *Starting Your Life in Japan* *Life in the Third World?*
Sadako and the 1000 Paper Cranes *Pika Don, and Guide to Armageddon*

Second: 1. Learn the effects of nuclear technology and nuclear weapons on people and on the
Goals this environment. 2. Basics of nuclear bomb design, fission and fusion. 3. Understand how
week: nuclear weapons can be delivered. 4. Learn how a nuclear reactor works and understand
what happened at Chernobyl.

So read: **Shohno:** Chs: 5, 6, 7 **Warf:** Chs: 4, 5,
SR: finish; finish Physics Notes **Barefoot Gen** Vol. 2, 3

AV *Black Rain* (26 awards) *Red Back*
materials: *A Mother's Prayer* *Half Life, and Radio Bikini* (Oscar nominee)
Conservation Laws in Zero-g *The Day After Trinity* (Oscar nominee)
Powers of Ten *Barefoot Gen* (Mainichi Film Concours)

Third: 1. Understand peaceful applications of nuclear physics. 2. Work on possible solutions
Goals this to the war problem. 3. Learn about the costs of World Militarism. 4. Find solution to the
week: war problem. How will war end? 5. Consider your topic summaries.
6. Successfully complete the final exam.

So read: **Warf:** Chs: 10c, 11, 12 **Shohno:** Chs: 8, 9 **Barefoot Gen**, Vol. 4

AV *Hello Furosato* *KFC The Colonel Comes to Japan*
materials: *Twenty-Four Eyes* (10 awards) *Bikini Forbidden Paradise* (Emmy Award Nominee)
Come See the Paradise (3 nominations) *MacArthur's Children* (12 wins)
A Visit to Hiroshima and Nagasaki

**Additional appropriate "Japanese" film, video, and reading
may also be part of this course.
(All in three weeks.)**