Fall 2020 Syllabus  
Language and Reality in Post-Classical Science and Postmodern Literature  
FYSEM-UA 210  
Instructor: Friedrich Ulfers  

This course explores the possibility that there exists a common ground between the so-called two cultures of science and the humanities. It posits the hypothesis of a correlation between postclassical science (e.g., quantum theory) and “postmodern” literature and philosophy. Among the key notions examined are Werner Heisenberg’s “uncertainty principle,” Niels Bohr’s “Principle of Complementarity,” and Jacques Derrida’s notion of “undecidability” in deconstructive theory. The discussion of these notions and their implications in literary works revolves around their effect on classical logic, the referential function of language, and the traditional goal of a complete explanation/description of reality. The question whether this paradigm change leads to a form of posthumanism/transhumanism will also be addressed. Readings include works of Borges, Kundera, Pirsig, Pynchon and Virginia Woolf, among others, and texts on modern scientific theories.  

Course Requirements:  
Course requirements include a considerable amount of reading (see below), a take-home midterm exercise (approximately 8 pages), and a final paper (10-12 pp.) on a choice of assigned topics or a paper on a topic chosen in consultation with the instructor. There will also be 2 short (1-2 pp.) writing assignments throughout the semester.  

Grading:  
The grading breakdown will be as follows: 20% for class discussion, 20% for the short writing assignments, 30% for the midterm, and 30% for the final.  

Texts:  
Mary Shelley, *Frankenstein* (Signet Classic, ISBN 0451523369)  
Edgar Allen Poe, “The Purloined Letter” (will be distributed by instructor)  
Jorge Luis Borges, *Labyrinths—Selected Stories and Other Writings* (New Directions, ISBN 0811200124)  

C.P. Snow, *The Two Cultures* (excerpts will be distributed by instructor)  
Morris Kline, *Mathematics: The Loss of Certainty* (excerpts will be distributed by instructor)  
Jean-Francois Lyotard, *The Postmodern Condition: A Report on Knowledge* (excerpts will be distributed by the instructor)
Liliane Papin, “This Is Not a Universe: Metaphor, Language, and Representation” (will be distributed by instructor)

**Syllabus:**

**Please note:** The number of pages assigned to be read in the literary texts will be lessened as a selection is made regarding themes that are of primary importance to the overall topic of the seminar.

**Sept. 8** Introduction and discussion of Mary Shelley, *Frankenstein* (approximately 50 pp.) and Liliane Papin, “This Is Not a Universe: Metaphor, Language, and Representation” (app. 11 pp.)

**Sept. 15** Introduction cont. and Mary Shelley, *Frankenstein* (approximately 50 pp.) and Liliane Papin, “This Is Not a Universe: Metaphor, Language, and Representation” (app. 11 pp.)

**Sept. 22** Edgar Allan Poe, “The Purloined Letter” (approximately 25 pp.) and C.P. Snow, *The Two Cultures* (app. 50 pp.)

**Sept. 29** Virginia Woolf, *The Waves* (approximately 100 pp.) and C.P. Snow, *The Two Cultures* (app. 50 pp.)

**SHORT WRITING ASSIGNMENT #1 DUE**

**Oct. 6** Virginia Woolf, *The Waves* (approximately 35 pp.)

**Oct. 13** Virginia Woolf, *The Waves* (approximately 35 pp.)


**Oct. 27** Robert M. Pirsig, *Zen and the Art of Motorcycle Maintenance* (approximately 125 pp.)

**MIDTERM PAPER DUE**

**Nov. 3** Jorge Luis Borges, *Labyrinths — Selected Stories and Other Writings* (approximately 50 pp.) and Morris Kline, *Mathematics: The Loss of Certainty* (app. 45 pp.)

**Nov. 10** Thomas Pynchon, *The Crying of Lot 49* (approximately 75 pp.) and Morris Kline, *Mathematics: The Loss of Certainty* (app. 45 pp.)

**Nov. 17** Thomas Pynchon, *The Crying of Lot 49* (approximately 75 pp.)

**Nov. 24** Milan Kundera, *The Unbearable Lightness of Being* (approximately 150 pp.)

**SHORT WRITING ASSIGNMENT #2 DUE**
Dec. 1 Milan Kundera, *The Unbearable Lightness of Being* (approximately 150 pp.)
Dec. 8 Review Session

Dec. 21 FINAL PAPER DUE