Nuclear Liquid-gas Phase Transition  
FRANCIS NOR-MAN C. PARAAN, Stony Brook University — In this graduate seminar, I will give an overview of studies on the nuclear liquid-gas phase transition. I begin with some universality arguments that hint at a phase transition between bound nuclear matter and a nucleon gas that is analogous to the classical liquid-gas transition. A brief description of the multifragmentation picture of the breakup of the bound nucleus will be given and the scaling phenomena and critical exponents that characterize the nuclear liquid-gas transition will be discussed. I conclude this talk with a sketch of the technical difficulties encountered in establishing caloric curves from experimental data.