Fall 2011 Due: Nov 4, 2011

The University of Texas at Arlington
Electrical Engineering Department
Application for Ph.D. Diagnostic Examination
Scheduled for Saturday Nov 19, 2011 at 9:00 AM – 1:00 PM in Nedderman Hall room 601 (Rady Room)

Name:_____(Printed or Typed)
Last First Middle

UTA ID: 1000-____ Today's Date:_____

Choose three (3) of the following eleven technical proficiency subjects as the topics of your examination. Please mark one major and two minor subjects from the following list. See the following page for references.

Major Minor

General Courses Area
N/A _____ Topic: Random Signals and Noise
N/A _____ Topic: Advanced Electronics

Thrust Area: Electromagnetic Fields and Applications:
_____ _____ Topic: Electromagnetic Theory

Thrust Area: Systems, Controls and Automated Manufacturing
_____ _____ Topic: Linear Systems Engineering

Thrust Area: Power System Modeling and Analysis
_____ _____ Topic: Power System Modeling and Analysis

Thrust Area: Solid-State Devices, Circuits and Systems
_____ _____ Topic: Semiconductor Device Theory

Thrust Area: Nanotechnology and MEMS – Materials and Devices
_____ _____ Topic: Introduction to MEMS/Foundations in Semiconductors

Thrust Area: Digital Signal and Image Processing
_____ _____ Topic: Digital Signal Processing

Thrust Area: Communications and Information Systems
_____ _____ Topic: Digital Communications

Thrust Area: Optical Devices and Systems
_____ _____ Topic: Principles of Photonics

Thrust Area: Renewable Energy and Vehicular Technology
_____ _____ Topic: Power Electronics Engineering

Applicant's Signature _____

Applicant's email: _____

Applicant's Telephone Number: _____

Name of Dissertation Supervisor (if known): _____
(Please Print)