BSc 589 Independent Research
Habitat Suitability Model for the Bell’s Vireo in Northeast Texas

Instructor: Dr. Jeff Kopachena
Rm. 258 Science and Technology

Purpose: To conduct background research and develop a research proposal for MS Thesis research project.

Objectives:
1. Develop knowledge of Bell’s Vireo populations and habitat
2. Develop knowledge of GIS-based habitat suitability models
3. Develop a research proposal.

Grading Scheme:

| Essay 1. Biology and habitat of the Bell’s Vireo | 30 points |
| Essay 2. GIS-based habitat suitability models | 35 points |
| Essay 3. Research proposal (15p.) | 35 points |

Each Essay should be double spaced, 12 point, Times New Roman font. Margins are 1” on all sides. Include as many figures and tables as possible, but these do not count toward the page limit, and should be appended to the back of the paper. Cite all sources, including figures and tables. Please consult me as frequently as possible as you proceed.

Research Proposal:

Research proposal must be based on accepted current techniques (habitat suitability models). Need to be familiar with appropriate software, analytical techniques, and development of predictive models. Need to include all procedures, including intended statistical analyses.