

## B.A. & B.S. GEOGRAPHY



CHARLES E. SCHMIDT COLLEGE OF SCIENCE  
DEPARTMENT OF GEOSCIENCES

ACADEMIC LEARNING COMPACT

**CONTENT KNOWLEDGE (Declarative Knowledge):** Graduates in Geography will understand basic concepts and theories in the spatial analysis of human-environmental systems as emphasized in the department such as: physical environment of South Florida, cultural landscape, water resources, coastal hazards, environmental management, urban sprawl and development, and sustainability.

Students will complete a senior capstone course, GEO 4337 (Human/Environmental Interactions in South Florida). Exams and assignments in all sections of the course will be used to assess students' knowledge.

**CRITICAL THINKING (Analytical Skills, Practical Skills):** Graduates in Geography will use critical thinking to evaluate information, data and problems related to geography by applying basic principles of scientific methodology including data collection and/or field observations that are analyzed using appropriate quantitative or qualitative techniques that illustrate the understanding, description and modeling of a geographic problem.

**CONTENT KNOWLEDGE (Technical skills) and COMMUNICATION (Written Communication; Oral Communication, Other Forms of Communication):** Graduates in Geography will be able to produce writing that is grammatically correct and well-organized and to deliver clear and well-organized oral presentations. Both written and oral communications should illustrate clear communication skills utilizing graphic tools in geographic information systems, remote sensing and other techniques.

In GEO 4337, students will complete a major research project that illustrates their understanding of the scientific method as applied to geographic problems. They will produce a substantial written report of this research project and orally present the project in the class and/or the department colloquium series. The project should utilize graphics such as computer cartography, geographic information systems, and/or remote sensing, where appropriate, to aid in the communication/illustration of the research.

Approved 11-18-2005

REFER TO FAU'S UNIVERSITY CATALOG FOR ADDITIONAL DEGREE REQUIREMENTS