**Syllabus**

**Date Syllabus Filed:** ________________

**Instructor:** Clint Offutt

**Office Hours:** TBA  
**Office Phone:** (785) 738-9082

**Where to Leave Messages:** coffutt@ncktc.edu

**Course Number:** GIS 100  
**Semester Credits:** 3

**Course Title:** Intro to GIS Architecture

**Building:** Telecommunications/ACIT

**Catalog Description:** This introductory course will give the student introduction to hardware and software components, applications and introduction to data structures and basic functions. The student will explore issues in operational and management issues. Hands on experience will be gained using a commercial GIS software package.

**Required purchases (texts, supplies, etc.):**


**Reference Material:** Sommer, Shelly and Tasha Wade *A to Z GIS* 2006. Redlands, CA.

**Method of Evaluation/Grades:**

Grades will be based on the following:

- Tutorial Exercises/Class Participation: 50%
- Quizzes and Exams: 50%
Grades will be based on the following scale:

- 100 – 90% = A
- 89 – 80% = B
- 79 – 70% = C
- 69 – 60% = D
- 59 – 0% = F

**Due Dates for Assignments:** Assignments are due at the beginning of the next class, unless otherwise stated.

**Date of Final Examination:** TBD

**Late Assignment Policy:** Late assignments *may* be accepted, though they will be subject to credit reduction.

**Attendance Policy:** Attendance is not mandatory, though students it is the student’s responsibility to make up and/or retrieve any assignments or material presented in class. Students with poor attendance may miss material crucial to advancement in the course, so it is recommended that students limit their absences. The student’s grade will also suffer from poor attendance because a large portion of your grade comes from class participation.

**Inclement Weather Policy:** Standard college policy.

**Services for Students With Disabilities:**

Students, with either a permanent or temporary disability, who require accommodation for more than one week, should request services by contacting the Student Services Office. Students requesting accommodations must present written documentation from a certified professional, which should include a statement identifying the disability as well as recommendations for accommodations. Contact, at least one month in advance, the Dean of Student Services (785) 738-2276 to make requests for accommodations.

**Policy Regarding Academic Dishonesty:**

Academic dishonesty of any kind will not be tolerated while attending North Central Kansas Technical College. The examples of academic dishonesty are plagiarism, cheating, falsification or forgery of any assignments or examinations. Any student who participates in any form of academic dishonesty must accept the consequences of their actions. These consequences may include but are not limited to the following (a) verbal or written warning, (b) lowering of grade for assignment/activity, (d) failure of class assignment or exam.
Course Objectives:

The Environmental Systems and Research Institute (ESRI) is the industry leader in Geographic Information Systems software. Students will participate in online training modules created and hosted by ESRI. The online modules utilize the most current version of ESRI products providing students with an environment to develop their GIS skills using the most state-of-the-art geospatial software.

Course Outline:

**GIS Tutorial Workbook for ArcView 9, Third Ed Text:** The book combines ArcGIS tutorials and self-study assignments that start with the basics and progress to more difficult functionality to meet the demand of industry.

Class Outline

**Intro to GIS Architecture**

Text: GIS Tutorial, Workbook for ArcView 9, Third Edition

Week 1 and 2: GIS Tutorial 1 Introduction
Week 3: GIS Tutorial 2 Map Design
Week 4: GIS Tutorial 3 GIS Outputs
Week 5: GIS Tutorial 4 Geodatabases
Week 6 and 7: GIS Tutorial 5 Importing Spatial and Attribute Data
Week 8 and 9: GIS Tutorial 6 Digitizing
Week 10: GIS Tutorial 7 Geocoding
Week 11: GIS Tutorial 8 Spatial Data Processing
Week 12 and 13: GIS Tutorial 9 Spatial Analysis
Week 14: GIS Tutorial 10 ArcGIS 3D Analyst
Week 15 and 16: GIS Tutorial 11 ArcGIS Spatial Analyst