LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
2. Articulate in writing spatial analytic processes and decision making.	Research Resources Demonstration and Practice Portfolio Lecture/Discussion Exercises Using Application Software Including Database, Spreadsheet, Word Processing, Editing, Presentation and Graphic Programs, and Email	Written Examinations Demonstration and Practice Portfolio
3. Evaluate in writing various data sources' resolution, timeliness, availability and utility.	Research Resources Demonstration and Practice Portfolio Lecture/Discussion Exercises Using Application Software Including Database, Spreadsheet, Word Processing, Editing, Presentation and Graphic Programs, and Email	Written Examinations Demonstration and Practice Portfolio
4. Navigate the most common GIS software package.	Research Resources Demonstration and Practice Portfolio Lecture/Discussion Exercises Using Application Software	Written Examinations Demonstration and Practice Portfolio
5. Demonstrate skill geo-coding street addresses and knowledge of other geo-coding systems including latitude and longitude, Universal Transverse Mercator, State Plane Coordinate Systems, and U.S. Public Lands Survey.	Research Resources Demonstration and Practice Portfolio Lecture/Discussion Exercises Using Application Software	Written Examinations Demonstration and Practice Portfolio

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
6. Conduct basic geographic analysis such as selection by location, and intersection and union overlays.	Research Resources Demonstration and Practice Portfolio Lecture/Discussion Exercises Using Application Software	Written Examinations Demonstration and Practice Portfolio
7. Compile and publish internet1reports of spatial analysis and its results.	Research Resources Demonstration and Practice Portfolio Lecture/Discussion Exercises Using Application Software Including Presentation and Graphic Programs, and Email	Written Examinations Demonstration and Practice Portfolio

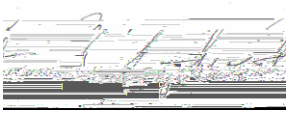
At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). 7.97 34attsseW*nBT/t47998 96

        2.2.1. Latitude/Longitude & Projection Selection
        2.2.2. Universal Transverse Mercator
        2.2.3. State Plane Coordinate Systems
        2.2.4. U.S. Public Lands Survey
        2.2.5. TIGER & street addressing
3. Analysis by Selection
    3.1. Selection by Attribute
    3.2. Selection by Location
    3.3. Creating Buffers
4. Analysis by Overlay
    4.1. Graphic Overlays
    4.2. Union Overlays
    4.3. Intersection Overlays
5. Raster Analysis[4)-3(.1)-5(.)]TJETQq0.00000912 0 612 792 reW*nBT/F1 12 Tf85 0 1 102t08.02

Revised by: Samuel Clay Wallace Date: 6/25/2012
VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D. Date: 6/28/2012

Revised by: Samuel Clay Wallace Date: 7/18/2013
VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D. Date: 7/22/2013

Revised by: Samuel Clay Wallace Date: 4/12/2024
VPAA or designee Compliance Verification: Date: 11/13/2024



. *It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*