

Objective 1.3: Computing Literacy

Course: GSCI 240: Introduction to GIS

Students will effectively and responsibly use appropriate computer applications for communication, scholarship, and problem-solving.

By graduation students will:	Not Proficient 1 Point	Developing Proficiency 2 Points	Proficient 3 Points	Exceeding Proficiency 4 Points
Effectively perform data analysis using appropriate technology such as spreadsheets or database applications.	Unable to develop and complete GIS analysis process. Score: 3	GIS planning and analysis evident, but major issues exist. Score: 4-7	GIS planning and analysis completed at an acceptable level. However, some discrepancies needs to be addressed. Score: 8-10	GIS planning and analysis meets all requirements. Score: 11-12
Effectively format documents such as reports, essays, or resumes using appropriate technology.	Report format, spelling, grammar, and graphics reflect an unacceptable level of attention to detail, and overall content and structure. Score: 4	Report format, spelling, grammar, and graphics reflect a developing level of proficiency. However, significant issues exist. Score: 5-9	Report format, spelling, grammar, and graphics reflect a proficient quality submission with only minor issues. Score: 10-13	Report format, spelling, grammar, and graphics reflect an exceedingly proficient quality submission. Score: 14-16
Design effective presentations using appropriate technology.	Cartographic product fails to properly present analysis results in adherence to cartographic theory of design. Score: 5	Cartographic product conveys information about a geographic location in a limited manner, but significant issues regarding lack of adherence to cartographic theory of design and/or data representation exist.	Cartographic product completed at an acceptable level. However, some discrepancies regarding adherence to cartographic theory of	Cartographic product meets expectations regarding adherence to cartographic theory of design and data representation. Score: 15-20

		Score: 6-9	design and/or data representation exist Score: 10-14	
Successfully perform a task with others using collaborative technology.	Reviews ineffective: Observations unfounded or not evident. Score: 2	Reviews address analysis at a poor level, but some evidence of attempt to validate observations using cartographic principles of design, as well as effort to provide some constructive comments to classmates. Score: 3-5	Reviews provided at an acceptable manner. However, some issue(s) concerning validation of observation(s) evident. Score: 6-7	All reviews validated through referencing of cartographic principles of design and required number of constructive comments to classmates met. Score: 8
Identify the ethical and legal standards of conduct regarding the use of data and technology.	Unacceptable evidence of understanding ethical and legal issues surrounding use of GIS. Score: 1	Evidence of understanding ethical and legal issues surrounding use of GIS at developing level. Score: 2	Proficient towards understanding ethical and legal issues surrounding the use of GIS. Score: 3	Proficiency towards understanding ethical and legal issues surrounding the use of GIS exceeded. Score: 4

Assignment meeting Outcome 1: GIS spatial analysis assignment

Assignment meeting Outcome 2: Final project report composition

Assignment meeting Outcome 3: Final project report map

Assignment meeting Outcome 4: Cartographic review

Assignment meeting Outcome 5: Ethical and legal issues in the use of GIS