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This course introduces students to a variety of spatial analysis techniques that can be used for understanding geographic phenomena. Topics covered in this course include descriptive spatial analysis, spatial sampling, inferential spatial analysis, spatial interpolation, spatial co " the scieztific programming lan

Students who successfully complete this course will not only have more analytical tools at their disposal, but will also become versed in spatial analysis discourse, which will allow them to interrogate scientific research employing a range of spatial analytical approaches.

M' u=- U -o Spatial analysis, statistics, programming, communicating science

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All readings are provided each week on Brightspace

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- x Define appropriate spatial analysis methods needed for specific geographical questions.
- x Analyze geographic data to characterize spatial patterns of observations and spatial relationships between variables.
- x Analyze and interpolate spatial data in order to create continu 1 <
- geographic questions.
- x Demonstrate proficiency in using the scientific programming language R to conduct spatial analysis.
- x Demonstrate familiari
research employing relevant methods.

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Assignments (4)

= 55%

Final Project

= 35%

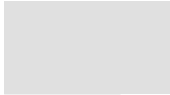
Weekly Quizzes

= 10%

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As per the Academic Calendar:



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WEEKLY CALENDAR

WEEK	DATE	
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The above schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances.

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A note to remind you to take care of yourself. Do your best to maintain a healthy lifestyle this semester by eating well, exercising, getting enough sleep and taking some time to relax. This will help you achieve your goals and cope with stress. All of us benefit from support during times of struggle. You are not alone.

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