

Core Outcomes for Graduates in Geography and Regional Planning

<u>Goals</u>	<u>Student Outcomes</u>	<u>Courses Achieving Outcomes</u>	<u>Ways to measure-What approach</u>
Applies spatial analysis skills based on the fundamental concepts of physical, social and cultural geography	Demonstrate geographic literacy in the physical and human dimensions of earth science ----- Identifies relationships among the various systems of the earth ----- Interprets information in a analytical and graphic format	Courses where this skills is taught: GARP0101, 102,105, 210	Place Location/ Outline maps/ Quizzes/ GIS/ Interactive Exercises Classification, Organization, pattern Recognition/ i.e., Koppen's climate Typology Graphic explanation/ Trends and Patterns over time i.e., Gravity Model, Von Thunen's Agricultural Model
Writes professional, technical reports	Shows organization, logical presentation, correct grammar, and evidence of proofreading and draft revision in critiques of journal articles ----- Describes analytical relationships between the impacts of humans on the earth	Courses where this skill is taught: GARP0101, 210, 218, 225, 238, 371, 346, 391	Abstract for Professional Geographer, anal of American Association of Geographers, economic Geography/ summarize, Analyze Article Term Paper/ Persuasive argument papers and briefs based on court cases
Uses the scientific method to critically analyze socio-economic and natural resource data to solve societal problems	Determines resource allocation problems by evaluating impacts on the environment ----- Demonstrates computer literacy in problem solving	Courses where this skill is taught: GARP0102, 210, 230, 244, 344, 346	Test hypothesis/ EPA ozone level exercises, monitoring station lab results ----- Statistical/ parametric techniques
Uses analytical skills in writing research reports.	Demonstrates logical cause-and-effect component through quantitative method exercises Identifies sources of data, findings and potential replications to address theoretical questions	Courses where this skill is taught: GARP0317, 344, 346, 391	Chi-Square, T Tests ----- Excel, Access Exercises
Effectively expresses himself/herself for oral presentations	Prepares and presents an oral report on a global/futuristic/ planning issue ----- Uses effective facilitator skills in seminar discussions ----- Acts as discussion leader in a seminar session	Courses where this skill is taught: GARP0105, 210, 217, 218,316, 317, 391	Team, group projects/ Poster displays ----- Discussion Leader ----- Team Leader
Demonstrate research and problem- solving skills	Explains connections between theories and problems in the field ----- Matches appropriate tools and techniques to solve community planning problems	Courses where this skill is taught: GARP0317, 344, 346, 350, 391, ENVS 350, 391	Individual, group site plan reports, evaluative studies, Use of census, TIGER demographic files ----- Build rubrics for group, external reviews i.e., juried evaluation by local professional planners, GIS, GPS Exercises, Data sets from local agencies,
Accepts and appreciates differences in ethnicity, religion, and language	Identifies various ethnic, cultural, religious, and language traits	Courses where this skill is taught: GARP0210	Cultural interview/ Global study papers
Understands the role of the planner in the work place, and undertakes tasks in the office and field setting	Shows dependability, diligence, and initiative at the work site Completes tasks including statistical analysis, report writing, and generates final products such as maps under the direction of a site supervisor Demonstrates good oral presentation skills Shows good interpersonal skills among fellows workers at the work site	Courses where this skill is taught: GARP 0210	Site supervisor evaluation ----- Professional planner evaluation ----- Presentations for local planning agencies, prepares hearing depositions ----- Performance review by site supervisor
Understands the role of the environmental scientist in the work place, and undertakes tasks in the office and field setting.	Shows dependability, diligence, and initiative at the work site Completes tasks including laboratory analysis skills, lab write-ups, and fieldwork Demonstrates good oral presentation skills Shows good interpersonal skills among fellows workers at the work site	Courses where this skill is taught: ENVS 0350	Site supervisor evaluation ----- Environmental engineer/ scientist eval. ----- Presentation at work site ----- Performance review by site supervisor

