

**PhD in Geography Course List as per  
2021/2022 UNC Charlotte Graduate Catalog  
For further details see [Course Descriptions](#)**

**Geography Offerings**

- GEOG 8000 - Topics in Urban and Regional Analysis
- GEOG 8005 - Topics in Earth and Environmental Systems
- GEOG 8010 - Topics in Geographic Information Science
- GEOG 8030 - Topics in Geographic Techniques
- GEOG 8115 - Qualitative Methods in Geography
- GEOG 8120 - Spatial Statistics
- GEOG 8121 - Advanced Seminar on Spatial Modeling
- GEOG 8123 - The Urban Region
- GEOG 8124 - Seminar in Geographic Theory and Practice
- GEOG 8125 - Geographic Information Science and Technology
- GEOG 8131 - Research Design Fundamentals
- GEOG 8205 - Geovisualization
- GEOG 8208 - GIS&T and Urban Regional Analysis
- GEOG 8209 - Social Network Analysis
- GEOG 8210 - The Restructuring City
- GEOG 8211 - Cities and Immigrants
- GEOG 8212 - Urban Labor Markets
- GEOG 8214 - Resilience Thinking in Urban/Regional Socio-Ecological Systems
- GEOG 8215 - Urban Identities
- GEOG 8216 - Planning for Urban Sustainability
- GEOG 8220 - Human-Environment Interactions
- GEOG 8221 - Global Ecosystems
- GEOG 8222 - Paleoenvironmental Sciences
- GEOG 8223 - Landscape Assessment
- GEOG 8224 - Biogeochemical Cycles
- GEOG 8225 - Biogeography
- GEOG 8226 - Landscape Ecology
- GEOG 8227- Ecosystem Restoration
- GEOG 8229 - Geochemical Tracers and Hydrologic Applications

- GEOG 8282 - CyberGIS and Big Data
- GEOG 8300 - Applied Regional Analysis
- GEOG 8301 - Industrial Location
- GEOG 8302 - Regional Economic Development
- GEOG 8303 - The Geography of Knowledge and Information
- GEOG 8304 - The Transforming North Carolina Economy
- GEOG 8401 - GIS Programming and Customization
- GEOG 8407 - Geocomputation
- GEOG 8408 - Spatial Optimization
- GEOG 8500 - Urban Planning: Theory and Practice
- GEOG 8600 - Transportation Policy
- GEOG 8612 - Advanced Geography of Transportation Systems
- GEOG 8632 - Ph.D. Professional Development Seminar in Geography
- GEOG 8800 - Directed Problems in Geography
- GEOG 8901 – Dissertation

### **Beyond the Core and Electives ...**

In the final semesters of a student's doctoral program (once they have defended proposal and received candidacy), the Graduate School offers the following options:

#### **GRAD 9800 - Doctoral - Graduate Full-Time Enrollment Credit**

Doctoral students who have: (1) completed all required coursework and (2) submitted required milestone paperwork to the Graduate School (Report of Comprehensive Examination, Appointment of Doctoral Dissertation Committee, and the Proposal Defense form) may register for this non-graded course and be considered "full-time enrolled" students. Credit Hours: (3)

Restriction(s): Permission of Graduate School

Repeatability: May be repeated with permission of Graduate School.

#### **GRAD 9999 - Doctoral Graduate Residency Credit**

Meets Graduate School requirement for continuous enrollment during final term prior to graduation when all degree requirements (including dissertation) have been completed or will be completed in the first four weeks of the semester.

Credit Hours: (1)

Restriction(s): Permission of the Graduate School.

HAS 9\_3\_2021