The Geography and Anthropology Department offers graduate-level course work but no graduate degree programs.

**Graduate Faculty**

Ari Anand, Ph.D.
Douglas Faulkner, Ph.D.
Matt Haffner, Ph.D.
Sean Hartnett, Ph.D.
Gloria Howerton, Ph.D.
Harry Jol, Ph.D.
Paul Kaldjian, Ph.D.
Garry Running, Ph.D.
Ryan D. Weichelt, Ph.D.
Cyril Wilson, Ph.D.
Ezra Zeitler, Ph.D. (Chair)

No graduate degree programs offered.

All 500- and 600-level graduate courses include requirements or assignments which differentiate them from their companionate 300- and 400-level undergraduate offerings. Students who have taken a course at the 300- or 400-level may not include that course at the 500- or 600-level in a graduate program, except in the case of special topics courses when the topic is not the same as that taken at the undergraduate level.

### Geography (GEOG)

**GEOG 512 Space, Society, Subject (3 crs)**
- Cross-listed with ANTH/GEOG 312/512. Credit may only be earned in one of these courses.

Broad introduction to social theory in anthropology and geography with an emphasis on contemporary theoretical approaches to social, spatial, and cultural dynamics and their intersections.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Seminar Hours: 0

**GEOG 513 Culture and Transnational Dynamics (3 crs)**
- Cross-listed with ANTH/GEOG 313/513. Credit may only be earned in one of these courses.

Critical discussion of conceptual approaches to cultural processes, differences, and encounters from a transnational perspective.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

**GEOG 514 Geopolitics (3 crs)**
- Cross-listed with LAS/GEOG 314/514. Credit may only be earned in one of these courses.

The physical and cultural landscapes of Latin America, including North, Central, and South America and the Caribbean Islands, with attention to the major cultural, economic, social, and political currents of each region.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

**GEOG 521 Geography of Latin America (3 crs)**
- Cross-listed with LAS/GEOG 321/521. Credit may only be earned in one of these courses.

The physical and cultural landscapes of Latin America, including North, Central, and South America and the Caribbean Islands, with attention to the major cultural, economic, social, and political currents of each region.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

**GEOG 522 Native Geographies (3 crs)**
- Cross-listed with GEOG 322 and AIS 322/AIS 522. Credit may only be earned in one of these courses.

The historical and contemporary relationships of American Indians to place, including land use and environmental issues, Indigenous mapping techniques, sacred sites, territorial nationhood, and legal rights to ceded and sovereign lands. The course also provides insight into the unique cultures of Indigenous peoples around the world.

Attributes: Field Trip(s) Required, Special Course Fee Required
Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

**GEOG 525 Global Environmental Change (3 crs)**
- Cross-listed with GEOG 325. Credit may not be earned in both courses.

GEOG 200 is recommended prior to enrollment in this course.

Introduction to the fundamental concepts of GIS technology and the utilization of spatial data for solving geographic problems. Raster and vector approaches to spatial processing are examined. Special emphasis is given to raster based systems.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 2
Lab/Studio Hours: 2

**GEOG 526 Geospatial Field Methods (3 crs)**
- Cross-listed with GEOG 326. Credit may not be earned in both courses.

Project-based hands-on learning will teach students field data collection techniques/methods for those interested in a career involving geospatial issues. Traditional and advanced geospatial technology are implemented in the course.

Attributes: Field Trip(s) Required
Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0
## GEOG 537 Geographic Information Systems II (3 crs)
Prerequisite: GEOG 335/GEOG 535
• Cross-listed with GEOG 337. Credit may not be earned in both courses.

This course expands directly on knowledge gained in Geog 335, Geographic Information Systems I. Focus will be on gaining additional technical skills and applying them to answer more in-depth geospatial questions.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 2
Lab/Studio Hours: 2

## GEOG 538 Remote Sensing of the Environment (3 crs)
• Cross-listed with GEOG 338. Credit may not be earned in both courses. 
GEOG 200 is recommended prior to enrollment in this course.

Descriptive interpretation of remote-sensing images from ground, aerial, and space platforms.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

## GEOG 538 Remote Sensing of the Environment (3 crs)
• Cross-listed with GEOG 338. Credit may not be earned in both courses. 
GEOG 200 is recommended prior to enrollment in this course.

Descriptive interpretation of remote-sensing images from ground, aerial, and space platforms.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

## GEOG 550 Soils and the Environment (4 crs)
Consent: Instructor Consent Required
• Cross-listed with GEOG 350. Credit may not be earned in both courses.

Study of soil properties, formation processes, and classification with emphasis on fieldwork, application of soil information to resource management and land use, and technical report writing.

Attributes: Field Trip(s) Required, Special Course Fee Required
Grading Basis: A-F Grades Only
Lecture/Discussion Hours: 2
Lab/Studio Hours: 4

## GEOG 558 LiDAR Analysis & Applications (3 crs)
Prerequisite: GEOG 535 and GEOG 538.

Introduction to the visualization, processing & use of airborne & terrestrial LiDAR data for applications in environmental & socio-cultural settings.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 2
Lab/Studio Hours: 2

## GEOG 579 Geography of Wisconsin (3 crs)
• Cross-listed with GEOG 379. Credit may not be earned in both courses.

A geographic analysis of Wisconsin and its people, with emphasis on cultural and environmental characteristics, patterns of land use, and changing ways of life.

Attributes: Field Trip(s) Required, Special Course Fee Required
Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 2
Lab/Studio Hours: 2

## GEOG 590 Geospatial Applications of UAS (3 crs)
Prerequisite: GEOG 335
• GEOG 338 is recommended prior to enrollment in this course.

This course introduces Unoccupied/Unmanned Aerial Systems (UAS) and their applications in the natural and built environment. Topics include UAS sensors and platforms, the ethics of UAS use, sensors calibration and boresighting, flight planning and flying of UAS, data processing software, data quality and accuracy, and the production of ortho-rectified imagery, multispectral imagery, digital terrain, surface models, and other geospatial deliverables.

Attributes: Field Trip(s) Required
Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

## GEOG 595 Directed Studies (1-3 crs)
Consent: Department Consent Required
• Cross-listed with GEOG 395.

Directed study of a geographic problem approved by the supervising instructor and the Department Chair.
Repeat: Course may be repeated
Grading Basis: No S/U Grade Option

## GEOG 635 Geographic Information Systems III (3 crs)
Prerequisite: GEOG 335/GEOG 535
• Cross-listed with GEOG 435. Credit may not be earned in both courses.
No credit if taken after GEOG 491 when offered as Advanced Geographic Information Systems.

This course will advance students’ knowledge of theoretical concepts and skills in geographic information systems in science. Emphasis will be placed on application of these concepts and skills in geospatial analysis.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 2
Lab/Studio Hours: 2

## GEOG 655 Web Geographic Information Systems (3 crs)
Prerequisite: GEOG 335/GEOG 535
• Cross-listed with GEOG 455. Credit may not be earned in both courses.

An introduction to Web GIS, the programming concepts underpinning construction and implementation of high quality web and mobile solutions.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 2
Lab/Studio Hours: 2

## GEOG 797 Independent Study/Graduate (1-3 crs)
Consent: Department Consent Required

An intensive study of a geographic topic resulting in a paper suitable for publication.
Repeat: Course may be repeated
Grading Basis: No S/U Grade Option
Anthropology (ANTH)

ANTH 512 Space, Society, Subject (3 crs)
• Cross-listed with ANTH/GEOG 312/512. Credit may only be earned in one of these courses.

Broad introduction to social theory in anthropology and geography with an emphasis on contemporary theoretical approaches to social, spatial, and cultural dynamics and their intersections.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Seminar Hours: 0

ANTH 513 Culture and Transnational Dynamics (3 crs)
Prerequisite: Credit may not be earned in both ANTH/GEOG 313/513 and ANTH/GEOG 351.
• Cross-listed with ANTH/GEOG 313/513. Credit may only be earned in one of these courses.

Critical discussion of conceptual approaches to cultural processes, differences, and encounters from a transnational perspective.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

ANTH 515 Language in Culture and Society (3 crs)
• Cross-listed with ANTH 315. Credit may not be earned in both courses.

Examination of the rules and patterns for speech behavior in a variety of socio-cultural formations. Language as expressive and formative of social status, social identity, and group membership. Study of multilingualism and language planning.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

ANTH 556 Women in Cross-Cultural Perspective (3 crs)
• Cross-listed with WGSS/ANTH 356/556. Credit may only be earned in one of these courses.

Study of women’s domestic, social, economic, political, and religious roles in a broad range of the world’s societies. Examination of the historical development of women’s roles and contemporary changes.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

ANTH 622 Anthropology of Law (3 crs)
• Cross-listed with ANTH 422. Credit may not be earned in both courses.

The scientific study of comparative law. Examines and analyzes a wide variety of legal systems, plus theories of law, legal change, change of legal systems, and justice.

Grading Basis: No S/U Grade Option
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

ANTH 632 Anthropological Fieldwork Methods and Research Design (3 crs)
Prerequisite: ANTH 161; 300-level cultural anthropology course or may be taken concurrently (ANTH 315, ANTH 325, ANTH 345, ANTH 351, ANTH 355 or ANTH 356).
Consent: Instructor Consent Required
• Cross-listed with ANTH 432. Credit may not be earned in both courses.

This seminar offers a broad introduction to the subject of fieldwork in sociocultural anthropology, with the goal of training students to undertake independent research. Foci include methodology, field experience, and outstanding research examples.

Grading Basis: A-F Grades Only
Lab/Studio Hours: 0
Seminar Hours: 3