Geographic Info Technology

GIT 420  Computer Apps in Earth Science  4 cr
An introduction to basic Python programming, with examples and exercises pertinent to Earth Science and GIS applications.
Pre-requisite: MA 112 Minimum Grade of D or MA 110 Minimum Grade of C.

GIT 442  Remote Sensing II  4 cr
Analysis of remotely sensed digital data for detection and mapping of Earth resources. Minimum grade of "B" needed in course prerequisite. Fee.
Pre-requisite: (GEO 332 Minimum Grade of B or GY 332 Minimum Grade of B).

GIT 460  Intro to GIT  4 cr
Fundamentals of Geographic Information Systems technology, including software functionality (ArcGIS), data processing, cartography and spatial analysis. Fee.
Pre-requisite: CIS Proficiency Exam P

GIT 461  GIT Applications I-Environment  4 cr
Application of Geographic Information Systems to the studies of the natural environment. Fee.
Pre-requisite: (GIT 460 Minimum Grade of C or GEO 460 Minimum Grade of C).

GIT 462  GIT Apps II-Business/Soc Sci  4 cr
Application of Geographic Information Systems to Business and the Social Sciences. Prerequisite: GIS 460, with a grade of "C" or better, or permission of instructor. Fee.
Pre-requisite: (GIT 460 Minimum Grade of C or GEO 460 Minimum Grade of C).

GIT 490  Special Topics  2 TO 4 cr
Geographic Information Technology topics not covered in current GIT courses. May be repeated when content varies for a maximum of 8 credit hours.
Pre-requisite: GIT 460 Minimum Grade of C or GEO 460 Minimum Grade of C.

GIT 494  Directed Studies  2 TO 4 cr
Geographic Information Technology topics not covered in current GIT courses. May be repeated when content varies for a maximum of 8 credit hours.
Pre-requisite: GIT 460 Minimum Grade of C or GEO 460 Minimum Grade of C.

GIT 496  Internship in GIT  1 TO 4 cr
On-the-job learning through occupational or professional work with an approved firm or agency. Open to geography majors only. No more than 4 hours of internship credit is allowed.
Pre-requisite: GIT 460 Minimum Grade of C or GEO 460 Minimum Grade of C.

GIT 520  Computer Apps in Earth Science  4 cr
An introduction to basic Python programming, with examples and exercises pertinent to Earth Sciences and GIS applications.
Pre-requisite: MA 112 Minimum Grade of D or MA 110 Minimum Grade of D.

GIT 542  Remote Sensing II  4 cr
Analysis of remotely sensed digital data for detection and mapping of Earth resources. Minimum grade of "B" needed in course prerequisite. Special project required. Fee.
Pre-requisite: (GEO 332 Minimum Grade of B or GY 332 Minimum Grade of B).

GIT 560  Intro to GIT  4 cr
Fundamentals of Geographic Information Systems technology, including software functionality (ArcGIS), data processing, cartography and spatial analysis. Credit for GIT 460 and GIT 560 not allowed. Special project required. Fee.
Pre-requisite: CIS 150 Minimum Grade of B or CIS Proficiency Exam P.

GIT 561  GIT Apps I-Environment - C  4 cr
Application of Geographic Information Systems to the studies of the natural environment. Credit for GIT 461 and GIT 561 not allowed. Special project required. Fee.
Pre-requisite: (GIT 460 Minimum Grade of C or GIT 560 Minimum Grade of C or GEO 460 Minimum Grade of C or GY 460 Minimum Grade of C or GEO 560 Minimum Grade of C).

GIT 562  GIT Apps II-Business/Soc Sci  4 cr
Application of Geographic Information Systems to business and the social science. Credit for GIT 462 and GIT 562 not allowed. Special project required. Fee.
Pre-requisite: (GIT 460 Minimum Grade of C or GEO 460 Minimum Grade of C or GY 460 Minimum Grade of C or GIT 560 Minimum Grade of C or GIT 560 Minimum Grade of C or GEO 560 Minimum Grade of C).

GIT 590  Special Topics -  2 TO 4 cr
Geographic Information Technology topics not covered in current GIT courses. May be repeated when content varies for a maximum of 8 credit hours.
Pre-requisite: GIT 460 Minimum Grade of C or GEO 460 Minimum Grade of C or GY 460 Minimum Grade of C or GIT 560 Minimum Grade of C or GIT 560 Minimum Grade of C or GEO 560 Minimum Grade of C.

GIT 594  Directed Studies  1 TO 4 cr
Graduate level independent study under the direction of a member of the graduate faculty. May be used to learn new techniques or to explore research questions of special interests.