

FALL 2007 GIS

Division of Business, Arts & Applied Technology
(16 weeks Saturday, August 25 - Saturday,
December 15)

GIS 120 4 UNITS INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

Prerequisite: Knowledge of Windows 95/NT & use of
computer skills.

Advisory: Eligibility for READ 023

Transfers to: UC (credit limit *), CSU.

(*Students will receive credit from UC for only one of the
following courses: GIS 120 or GIS 220)

This course provides an introduction to concepts and the
use of Geographic Information System (GIS), and its role
in analysis and decision making. Course work is based
on the mapping and spatial analysis capabilities of the
ArcView software program, introduction to AutoCAD
MAP and Overlay, interfacing and importing data,
scanning, and conversion of other data into GIS.
Students will be introduced to basic cartographic
principles, maps, scales coordinate systems and
projections, GIS terminology, data structures, verification
of data accuracy, and produced map layouts and
presentations for specific applications. This course may
be taken once for credit towards the major and repeated
two times for credit to enhance student skills and
proficiency level.

See web site for important information

<http://www.riohondo.edu/gis>.

**Concurrent enrollment in Section #5081 is required
for open lab time.**

1362 TTh 7:00-10:10 PM STAFF Rm S305

ONLINE COURSE ACCESS: WWW.CVC2.ORG/RIO

Students who have not logged into the class by the end
of the first week may be dropped.

* 8112 24HRS/7DAYS ROBERTS W
INTERNET

**THE FOLLOWING SECTION WILL OFFERED
OCTOBER 8-DECEMBER 15, 2007**

8189 24HRS/7DAYS ROBERTS W
INTERNET

GIS 230 3 UNITS GEOGRAPHIC INFORMATION SYSTEMS (GIS IN ENVIRONMENTAL TECHNOLOGY

Prerequisite: GIS 120, ET 260.

Advisory Preparation: Familiarity with grid analysis.
Transfers to: CSU.

This course provides a study of Geographic Information
Systems (GIS) and Global Positioning System (GPS) as
it applies to Environmental Technology. Students are
exposed to each phase of the environmental cleanup
process using nationally recognized EPA environmental
clean up methods and GIS/GPS technology, GIS/GPS
will also be used for data collection and storage, base
maps, spatial analysis, and risk analysis. Arc View GIS
software and its extensions will be used to analyze
information and create professional quality maps and

reports. This course is designed for students in the
Environmental Technology program, ET professionals
and others who wish to upgrade their skills to apply
GIS/GPS to environmental applications.

**Concurrent enrollment in Section #5081 is required
for open lab time.**

1990 MW 7:00-9:35 PM ROBERTS WRm S305

GIS 281 3 UNITS CRIME MAPPING AND ANALYSIS PROGRAM (CMAP)

Prerequisite: AJ 101

Corequisite: GIS 120

Transfers to: CSU

This course is designed for students entering the field of
crime analysis with the emphasis on Geographic
Information Systems (GIS). The student will be
introduced to crime analysis and crime mapping using
Geographic Information Systems (GIS) and ArcView
(ESRI software) to analyze crime and create GIS Maps.
The student will learn to work with GIS and apply the
technology to analyze crime for the Tactical, Strategic
and Administrative models.

**THE FOLLOWING COURSE MEETS AUGUST 27-
OCTOBER 20, 2007**

0172 F12:00-6:40 PM ROBERTS W Rm S305

GIS 290 1-4 UNITS COOPERATIVE WORK EXPERIENCE/INTERNSHIP FOR GIS RELATED FIELDS

Corequisite: Enrollment in 7 or more units, including
work experience/internship, during the semester in
which the work experience/internship instruction is
provided

Transfers to: CSU

This course supports and reinforces on-the-job training
in business and industrial establishments under
supervision of a college instructor and is facilitated by
the use of learning objectives. The student will be
working in a skilled or professional level assignment in
their area of vocational interest and will meet
performance objectives related to instruction that are
above the conditions of regular employment. This
course is intended for students whose job is related to
the field of GIS and have completed or enrolled in the
appropriate coursework. This course may be taken once
and repeated three times for credit.

**For more information you can contact the instructor
at wroberts@riohondo.edu**

1018	TBA	Times to be arranged	1 unit
ROBERTS W		Rm. TBA	
1019	TBA	Times to be arranged	2 unit
ROBERTS W		Rm. TBA	
1023	TBA	Times to be arranged	3 unit
ROBERTS W		Rm. TBA	
1024	TBA	Times to be arranged	4 unit
ROBERTS W		Rm. TBA	