

Geographic Information Systems - 1588X

2014-2015

**Level 1
(15 weeks)**
21 hrs contact
+ 24 study hrs

GIS 1: Introduction to
Vector GIS
GIS4101
1/3/5

Maps and Geographic
Data Collection
GIS4108
2/3/5 H-2

Data and Data
Representation
GIS4109
2/2/4 H-1

Digital Map
Compilation
GIS4105
1/3/4

Introduction to
Programming
GIS4107
2/2/6

**Level 2
(15 weeks)**
21 hrs contact
+ 24 study hrs

GIS 2: Analytical GIS
GIS4201 *
2/2/4

Introduction to
Remote Sensing
GIS4204
2/2/4

GIS Applications and
Modelling
GIS4209 *
1/1/2

Cartographic Design
and Visualization
GIS4210 *
1/2/3 H-1

GIS Customization 1
GIS4207 *
2/2/6

Database Design and
Management
GIS4203 *
2/2/5

**Level 3
(12 weeks)**
21 hrs contact
+ 23 study hrs

Remote Sensing 2
GIS4304
2/2/4
(48 hrs)

GIS Project
GIS4309
0/7/9
(84 hrs) H-1

Web GIS
Applications
GIS4308
2/3/5
(60 hrs) H-3

GIS Customization 2
GIS4307
2/3/5
(60 hrs)

**Optional
Co-op
Work Term 1
(WKT5300)**

* Please note that the following courses in level 2 also have a prerequisite of GIS4101: GIS4201, GIS4209, GIS4210, GIS4207, GIS4203

Course Name
Course Number
Hours
(theory/lab/study+)
H = Hybrid

+ recommended number of study hours per week;
this amount may vary depending on the individual.