

**Information Technology for GIS  
Geol 4427-5527 -- 3 credits  
Fall Semester**

Instructor: Keith T. Weber  
Meeting: Tuesday 9:00-11:30am  
Text: none

**Syllabus**

#	Week of	Topics	Hands-on
1	Aug. 20	Overview of course and syllabus Understanding networks	
2	Aug. 27	Understanding servers	
3	Sep. 3	System administration and the Enterprise	X
<b>4</b>	<b>Sep. 10</b>	<b>Exam 1</b>	
5	Sep. 17	Understanding RDBMS	X
6	Sep. 24	Applying IBM DB2 UDB	
7	Oct. 1	Object-Oriented Design Reading a business statement	X
8	Oct. 8	Object-Relational Databases	X
9	Oct. 15	ArcGIS Spatial Database Engine	X
10	Oct. 22	ArcGIS Server basics	X
11	Oct. 29	Spatial SQL	X
12	Nov. 5	AGOL web maps	X
13	Nov. 12	Delivering actionable information	
14	Nov. 19	<b>No class- Thanksgiving Break</b>	
15	Nov. 26	Cloud computing and GIS	
16	Dec. 3	Review	
<b>17</b>	<b>Dec. 10</b>	<b>Final Exam</b>	

**Grading:**

<b>4427</b>		<b>5527</b>	
Exam I:	30%	Exam I:	25%
Final Exam:	35%	Final Exam:	25%
Homework:	25%	Homework:	20%
		Project:	20%
Classroom	10%	Classroom	10%

Late policy: -10% per day

**Note: several assignments require the use of GIS Center computers and servers and cannot be completed from home or other computers at ISU.**

Our program is committed to all students achieving their potential. If you have a disability or think you have a disability (physical, learning disability, hearing, vision, psychiatric) which may need a reasonable accommodation, please contact the ADA Disabilities & Resource Center located in Graveley Hall, Room 123, 282-3599 as early as possible.