

GEOG 5201 Geovisualization – Autumn 2018

**Schedule**

Date	Content	Reading*	Note
W 08/22	Course Overview Discussion Groups (sign up)	1976_Tobler, pp. 1-8 (required) 2000_Franklin (optional) <a href="#">Spatial or Geospatial</a> (required)	
M 08/27	Lecture: Geovisualization - Part 1	2009_Friendly (optional) <a href="#">What is scientific visualization?</a> (required)	
W 08/29	Lecture: Geovisualization - Part 2	2007_Nollenburg (required) 2008_Shepherd (required)	
M 09/03	Labor Day – No Class		
W 09/05	Lecture: Geovisualization - Part 3 Lecture: 3D - Part 1	<i>The following readings are for Discussion Groups (3D):</i> 2013_Richards-Rissetto_etal (required) 2015_Kwan&Kotsev (required) 2016_Kete - 3D printing (optional) 2017_Winter_ArcUser_unknown (optional) 2017_Winter_ArcUser_Baumann (optional)	
M 09/10	Lecture: 3D - Part 2 Discussion Groups (3D)		
W 09/12	Lab 1: 3D - ArcScene (guided)		
M 09/17	Lab 2: 3D ArcScene (unguided)		
W 09/19	Lab 3: 3D QGIS (guided & unguided)		Lab 1 DUE
M 09/24	Lecture: LiDAR - Part 1	<i>The following readings are for Discussion Groups (LiDAR):</i> 2016_Hoffmeister_etal (required) 2016_Lee_etal (required) 2016_Yan_etal (required) 2017_Winter_ArcUser_Slyder_etal (optional)	Lab 2 DUE
W 09/26	Lecture: LiDAR - Part 2 Discussion Groups (LiDAR)		
M 10/01	<b>Exam 1</b>		
W 10/03	Lab 4: LiDAR (guided)	2008_Deitrick&Edsall (optional) 2011_Longley_etal (optional) 2005_MacEachren_etal (optional) 2009_Slocum_etal (optional)	Lab 3 DUE
M 10/08	Lecture: Uncertainty	2014_Muehlenhaus_Chapter 10 (required)	
W 10/10	Lecture: Animation Lab 5: Animation (guided & unguided)	1970_Hagerstrand (required) 2004_Kwan (required) 2013_Goodchild (required)	Lab 4 DUE
M 10/15	Lecture: Time	<i>The following readings are for Discussion Groups (Time):</i> 2013_Chen&Clark (required) 2015_Lu&Fang (required) 2016_Cheng_etal (required) 2016_Turdivo&Fazio (optional)	
W 10/17	Discussion Groups (Time) Lab 6: Time (guided)		
M 10/22	Lab 7: Time (unguided)	2014_Muehlenhaus_Chapter1 (required) 2014_Muehlenhaus_Chapter2 (required)	Lab 5 DUE

		2014_Muehlenhaus_Chapter3 (optional)	
W 10/24	Lecture: Web – Part 1	2014_Muehlenhaus_Chapter12 (required)  <i>The following readings are for Discussion Groups (Web) - PICK THREE:</i> 2014_Resch_etal (required) 2015_Kim_etal (required) 2016_Herman_etal (required) 2016_Khoshabi_etal (required)	Lab 6 DUE
M 10/29	Lecture: Web – Part 2 Discussion Groups (Web)		
W 10/31	<b>Exam 2</b>		
M 11/05	Lab 8: Web 1 (guided & unguided)		Lab 7 DUE
W 11/07	Lab 9: Web 2 (guided & unguided)		
M 11/12	Veterans Day - No Class		
W 11/14	Lab 10 (guided & unguided)		Lab 8 DUE
M 11/19	Lab 11 (guided)		Lab 9 DUE
W 11/21	Thanksgiving Break – No Class		
M 11/26	No Class Meeting Work Day: Labs		Lab 10 DUE
W 11/28	Lab 12 (guided & unguided)		Lab 11 DUE
M 12/03	No Class		
W 12/05	Work Day: Labs & Portfolio		Lab 12 DUE
M 12/10	No Class		
W 12/12	Final Exam Week		Portfolio DUE

\*The assigned readings prepare you for the next class meeting.

This course schedule provides a general plan for the course. Any changes will be announced by the instructor with as much advance notice as possible.