Course	GISC 7363: Internet Mapping and Information Processing
Professor	Dr. Bryan Chastain Senior Lecturer, GISC
Term	Summer 2015
Meetings	Thursdays 6:00-10:00 PM, GR 3.402

Instructor's Contact Information

Office Phone	972-883-2517
Office Location	GR 3.232
Email Address	chastain@utdallas.edu
Office Hours	Thursdays 5:00 – 6:00 PM or by appointment
Other Information	We will be using the eLearning system for this class. Please contact me through eLearning email for all class related issues.

General Course Information

Pre-requisites, Co-requisites, & other restrictions	Basic GIS and programming skills are required. No formal pre-requisites, but the taking of GISC 5317 (Computer Programming for GIS) and GICS 6381 (Geographic Information Systems Fundamentals) is recommended
Course Description	This graduate level course provides a conceptual overview and hands-on experiences in Internet mapping and web-based geospatial information processing with state-of-the-art software. Topics covered included client/server configuration, distributed data access and display, web-based user interaction.
Learning Outcomes	Upon completing this class, students will be able to: • Understand conceptual aspects of internet mapping • Develop a web site containing a mapping service • Design and customize internet mapping server sites • Customize out-of-box commercial internet mapping software, such as ArcGIS Server, and Google Maps.
Required Texts & Materials	• [PF] Pinde Fu 2015. *Getting to Know Web GIS*. ESRI Press. Redlands, CA. ISBN: 978-1-58948-384-2 • [CH] Christian Heilmann, *Beginning JavaScript with DOM Scripting and Ajax: From Novice to Professional*, APRESS (ISBN:978-1-59059-680-7): eBook available through UT Dallas library.

Recommended Texts	• [MP] Peterson, Michael. 2014. *Mapping in the Cloud*. Guilford Press. New York. ISBN: 9781462510412

Assignments & Academic Calendar

[Topics, Reading Assignments, Due Dates, Exam Dates]

Students are expected to have read the assigned chapters prior to coming to class.

Week	Date	Day	Topic	Assignment
1	28-May	R	Introduction to the course & Lab 1 Web GIS overview	[MP] Ch. 1-3 [PF] Ch. 1 & 2
2	4-Jun	R	JavaScript Lab 2: JavaScript Programming Basics	[MP] Ch. 4-8 [CH] Ch. 1-4
3	11-Jun	R	Google Maps API I Lab 3: Using Google Maps API	[MP] Ch. 9-10
4	18-Jun	R	Google Maps API II & CartoDB Lab 4: Fusion Tables & CartoDB	[MP] Ch. 11-12
5	25-Jun	R	Cloud Computing Lab 5: Introduction to Amazon EC2	[MP] Ch. 13-14
6	2-Jul	R	ArcGIS Server Lab 6: ArcGIS Server on EC2	[MP] Ch. 15-16 [PF] Ch. 3-5
7	9-Jul	R	Cloud-based Databases with ArcGIS Server Lab 7: Databases with ArcGIS Server	[MP] Ch. 17-18
8	16-Jul	R	Customizing ArcGIS Server Lab 8: Customizing ArcGIS Server	[PF] Ch. 6-8
9	23-Jul	R	*No Class - Esri UC* *Work on your Final Projects*	
10	30-Jul	R	Government and Business Applications Lab 9: Esri Business Analyst Online	[PF] Ch. 8-9
11	6-Aug	R	**Final Project Presentations**	**Final Project Due**

Course Policies

Grading (credit) Criteria	• Lab assignments: 50% • Final Project: 45% • Class attendance and participation: 5% 93-100 points = A; 90-92 points = A- 87-89 points = B+; 83-86 points = B; 80-82 points = B- 77-79 points = C+; 70-76 points = C; 69 and below = F

Make-up Exams	No Make-up project will be given without a legitimate excuse accompanied by proper formal documentation (e.g., a doctor's excuse).
Extra Credit	TBD
Late Work	Late submission for labs will be penalized 10% per day late
Special Assignments	TBD
Class Attendance	Class attendance is required. Students are expected to actively participate in class discussion.
Classroom Citizenship	Please make sure you turn off your cell-phone before coming to the classroom. Viewing anything that is not related to class and communicating with others using instant messenger are prohibited during the class.
Academic Dishonesty	All suspected cases of academic dishonesty (cheating, plagiarism, collusion, etc.) will be immediately forwarded to the Office of Judicial Affairs. Students have a right to due process through Judicial Affairs, but if the accused student is found guilty of misconduct, Judicial Affairs has sole authority for determining punishment.
UT Dallas Syllabus Policies	http://coursebook.utdallas.edu/syllabus-policies/

These descriptions and timelines are subject to change at the discretion of the Instructor.