

**George Mason University, GGS 684**  
**Selected Topics in Geospatial Intelligence – Fall 2019**

**Bryan Weaver, PhD**

Office Hours: By appointment. Contact [bweaver5@gmu.edu](mailto:bweaver5@gmu.edu)

Class: Thursday 7:20 – 10pm

**Purpose:** Expand our understanding of geospatial intelligence and associated research areas through lecture, reading, reflection, and discussion. We will focus on the IC evolution and its future state.

**Description:** We examine intelligence from three perspectives: as an organization, as a process and information, and through case study. The first four weeks we examine intelligence as an organization. We look at intelligence as a team activity at many scales. Then we examine geospatial intelligence as information and with important process considerations. This part of the course includes discussion on research areas associated with intelligence process, system design, and intelligence analysis. Throughout the course, we learn about significant events and topics of importance in the development of the geospatial intelligence discipline.

**Schedule:**

August 29	Course Introduction
September 5	Overview of Intelligence and Geospatial Intelligence
September 12	Case Study - 9/11/2001 Significance to the IC and GEOINT
September 19	National Security Intelligence Organizations
September 26	Intelligence Process
October 3	Intelligence Problem Decomposition
October 10	Crowd Sourcing
October 17	Artificial Intelligence application to GEOINT
October 23	Mid Term Exam
October 31	No Class – project work
November 7	Case Study - Cuban Missile Crisis
November 14	The Future
November 21	Research Areas and project work
November 28	No Class. Happy Thanksgiving.
December 5	Project presentations

**Grading:**

Assignments = 20%

Mid-Term = 30%

Final Project = 20%

Final Project Presentation = 10%

Participation = 10%

Attendance = 10%