George Mason University, GGS 684
Selected Topics in Geospatial Intelligence – Fall 2019
Bryan Weaver, PhD
Office Hours: By appointment. Contact 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%