ITEC 596 Cyber Security Governance and Analysis
Fall 2015

Faculty: Laurie Schive and Craig Stronberg (PWC)
Office Location: TBA
Faculty E-mail: TBA@american.edu
Phone: TBA
Office Hours: By Appointment
Class Time & Location: Mondays 5:30 pm – 8:00 pm

Course Description

Information security is rapidly becoming a critical aspect of corporate life that business professionals cannot afford to be unaware of. This course covers two distinct areas of cybersecurity that business professionals need to understand to operate in today’s threat environment. Cyber governance – the procedures and policies that companies must consider from legal, technical and operational perspectives. This issue is key for companies, regulators, governments and organizations worldwide—emerging cyber regulations, laws and procedures, variations within and between countries, as well as pre- and post-cyber crisis governance expectations, all have significant impact on how businesses must plan for the future and manage existing programs and operations. Students will rely on case studies and examples from multiple business sectors as primary sources for this section of the course. Cyber analytics – which has the potential to be a key enabler for companies attempting to understanding how to make the best and most actionable use of the cyber data and information at their disposal. Threat actors also use cybersecurity analytics to learn more about which companies and organizations to target. Finally, the evolving field of data privacy in the US and globally will influence what data organizations can collect and use. Students will gain an appreciation for leading practices of cybersecurity analytics and will work together to create a framework to assess the value and utility of big data solutions. Students will learn how organizations can leverage existing operations-focused data for cybersecurity solutions.